

B  
376 - 575 +  
67-001 to 67-014/

*Cinefonics*

376

Cook Electric Company

L

FP a(10)

No.	Contractor	Status	Contract Type & Authority
-----	------------	--------	---------------------------

(15 Nov 64 - 30 Jun 65)

SUBJECT: Production of film report on Operation GUM DROP.  
(PAAD)

\$ 24,398.00

Mr. J. Gast

Mod 1	<del>Additional production plus extra release prints for distribution</del>	\$ 2,486.00
-------	---	-------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FROEN: 2 APR 1969  
To be Destroyed *Jul 72*

\$24,398.00

Performance Completed: *29 Jun 65*

Contract CLOSED: *2 Aug 65*

Refund: \$ none

No.	Contractor	Status	CPFF a(11) Contract Type & Authority
377	Boeing Company	L	
(9 Nov 64 - 15 Aug 65) (pre-contract fm 30 Oct 64)			
SUBJECT: Recoverable mobile tower. (RANU)			\$ 91,428.00

~~Maj W.A. Alfente~~

Mod 1	Additional work. Also overrun.	\$ 9,963.00
-------	--------------------------------	-------------

Mod 2	Modification to mobile tower. Time extension to 15 Feb 66. STWT	\$ 45,692.00
-------	--	--------------

Lt Col Edwin J. Willcox

Mod 3	Minor modifications to insure compatibility of tower to test environment of PIN STRIPE.	\$ 3,878.00
-------	---	-------------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: SEP 1975

To be Destroyed Jul 1981

TOTAL \$ 150,961.00

PAID \$ 150,961.00

REFUNDS -0-

Performance Completed:

Jan 66

Contract CLOSED:

**CLOSED** 24 Feb 75

No.	Contractor	Status	Contract Type & Authority
378	Lockheed Aircraft Corporation	L	CPFF a(11)
	(16 Nov 64 - 31 May 65)		
SUBJECT: Phase III - GUM DROP			\$ 235,377.00

*Capt H L. Miller*

Mod 1 Time extension to 31 Jul 65.

\$ ---

Mod 2 Time extension to 22 Jan 67

\$ --

Mod 3 Final OH rates for '64

\$ ---

Mod 4 Final OH rates for '65, '66 and '67

\$ ---

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: *Jan 72*  
To be Destroyed *Jul 74*

TOTAL: \$235,377.00  
PAID: 225,456.20

Performance Completed: *2 Aug 65*

Contract CLOSED:

*22 Jan 70*

**CLOSED**

Refund: \$ 9,920.80



380	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	14 Oct 64 - 31 Aug 65) (pre-contract fm 29 Jul 64)		

SUBJECT: Timing, firing and communication engineering services and  
(BSNE) instrumentation for planning and execution of Operation SAILOR HAT.  
7.2

Lt Livingstone

Mod 1	Time extension to 31 Oct 65.	\$ ---
-------	------------------------------	--------

Mod 2	Time extension to 31 Dec 65.	\$ ---
-------	------------------------------	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL:	\$175,534.00
PAID:	<u>170,274.05</u>

Performance Completed: 30 Dec 65

Contract CLOSED:

8 Jan 70

CLOSED

Refund: \$ 5,259.95

381 No.	Space General Corporation Contractor	L Status	CPFF a(11) Contract Type & Authority
	(10 Nov 64 - 10 Jul 65)		

SUBJECT: Hardening and miniaturization of electric and magnetic field  
(RAEL) measurement devices.

\$ 54,101.00

Dr. C.A. Blank

Mod 1 Time extension to 1 May 66.

\$ ---

Mod 2 Novation agreement

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

TOTAL:

\$54,101.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed:

~~1 Aug 68~~ 15 Mar 66

Contract CLOSED:

29 Oct 68

Refund:

\$ 1,963.99

382 No.	Medical College of Virginia Contractor	Status	Cost (a)(5) Contract Type & Authority
	(1 Dec 64 - 30 Nov 65)		
SUBJECT: (STEM)	Immunological factors in burns, serum and skin factors involved in thermal injury.		\$ 60,000.00
LCDR Garver			
Mod 1	Revise cost principles.		\$ ---
Mod 2	Increased work scope and time extension to 30 Sept 66		\$ 58,880.00
Mod 3	OH rates for FY's '65, '66 and '67		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL: \$118,880.00  
PAID: 112,933.44

Performance Completed: 10 May 67  
Contract CLOSED: 11 May 70

**CLOSED**

Refund: \$ 5,946.56



383	National Lead Company	L	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(14 Dec 64 - 31 Aug 65)		17,740.00
SUBJECT:	Disposal of/fuel elements.		<del>\$ 16,862.00</del>
(AFRRRI)	/ DASA-TRIGA Reactor Spent		

Mr. B. Maury

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

\$ 17,740.00

Sent to ARDEN: *apc 68*  
To be Destroyed *Jul 71*

Performance Completed: *24 May 65*

Contract CLOSED: *28 Jul 65*

Refund: \$ none

384 No.	Mellonics Systems Development Division Contractor of Litton Systems, Inc. (1 Dec 64 - 30 Jun 65)	L Status	CEFF Contract Type & Authority
SUBJECT: Adaptation of computer programs and associated activities. (RAEL)			\$ 66,782.00

Maj C.W. Hulburt

Mod 1	Additional work and time extension to 15 Jun 66.	\$ 122,074.00
-------	--	---------------

6-16-66  
R.R.

Mod 2	Time extension to 31 Jul 66	\$ 142,091.00
-------	-----------------------------	---------------

1-24-66  
R.B.

Mod 3	Modification of SHAZAM (monitor)	\$ 33,432.00
-------	----------------------------------	--------------

23 Nov 67

Mod 4	Adjustment for OH rates	\$ 3,682.81
-------	-------------------------	-------------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FPCEN: 30 SEP 1969  
To be Destroyed Jul 74

\$368,061.81

Performance Completed: 13 Sep 66

Contract CLOSED: 26 Dec 67

CLOSED

Refund: \$ none

385	Lockheed Aircraft Corp.	L	
No.	Contractor	Status	Contract Type & Authority
	(30 Apr 65 - 30 Apr 70)		
SUBJECT: Facilities contract.			\$
Mod 1	Update clauses and Schedule B. Effective date 1 May 69.		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed:

Not CLOSED:

6 May 70 **CLOSED**

Refund: \$

386	General Atomic	L	CPFF 0.11
No.	Contractor	Status	Contract Type & Authority
	(10 Dec 64 - 22 Jan 65)(pre-contract fm: 1 Dec 64)		50,590
SUBJECT: Feasibility of underground test installation. (RANU)			\$ 61,390.00

Maj W.A. Alfonte

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 61,390.00

Sent to FRCEN: 30 SEP 1969

To be Destroyed *Jul 74*

Performance Completed:

*2 Feb 65*

Contract CLOSED:

12 Jun 68

Refund: \$ none



No.	Contractor	Status	Contract Type & Authority
388	Granger Associates (10 Dec 64 - 2 Feb 65)		FP 4(1) \$ 23,470.00
SUBJECT: Conical monopole antennas (PIPEDOWN) (JTF-8)			

Mr. A.F. Krochmal, Indman (Navy)

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

Sent to FRCEN: 2 APR 1969  
To be Destroyed *Jul 72*

\$ 23,470.00

Performance Completed: *29 Jan 65*

Contract CLOSED: *10 Aug 65*

Refund: \$ none

389	Collins Radio Company	L	FP	a(1)
No.	Contractor	Status	Contract Type & Authority	
	(10 Dec 64 - 15 Jan 65)		\$ 25,529.00	
SUBJECT: Antennas with steel towers and azimuth controls (PIPEDOWN)			<del>\$x22,929.00</del>	
(JTF-8)				

Mr. A. Krochmal, Indman (Navy)

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: Sep 69  
To be Destroyed Jul 74

\$ 25,529.00

Performance Completed: Jan 65

Contract CLOSED: 23 Nov 65

Refund: \$ 2,535.62

390	Edgerton, Germeshausen & Grier, Inc. (Las Vegas)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(29 Jan 65 - 31 Jul 65)		
SUBJECT: Surveillance photography (WTOP)			\$ 15,000.00

Maj J. Caudron

Mod 1	Time extension to 31 Oct 65.	\$ ---
-------	------------------------------	--------

Mod 2	Additional funds to cover expediting processing of film.	\$ 2,696.00
-------	--	-------------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Jan 72  
To be Destroyed April 76

TOTAL:	\$17,696.00
PAID:	<u>17,531.56</u>

Performance Completed:

1 Nov 65

Contract CLOSED:

30 Mar 70

**CLOSED**

Refund: \$ 164.44



391	IIT Research Institute	NP	CPEF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 65 - 31 Mar 66)		85,178
SUBJECT: Design and development of an improved interferometer, employing current state of the art LASER technology.			\$ 85,178.00
(RAEL)			

Dr. C.A. Blank

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

\$ 85,178.00

Sent to FRCEN: 2 APR 1969

To be Destroyed Jul 73

Performance Completed: 17 Mar 66

Contract CLOSED: 29 Jun 67 **CLOSED**

Refund: \$ 367.02

392 No.	Stanford Research Institute Contractor	NP Status	CPFF Contract Type & Authority
------------	---	--------------	--------------------------------------

(1 Jan 65 - 30 Sept 65)

**SUBJECT:** Design study for addition of radiometry capability to Project 6.9  
(RAEL) and 6.17 radar systems (BLUE ROCK) \$ 34,756.00

Maj C.W. Hulburt

Mod 1 Time extension to 31 Dec 65. \$ ---

Mod 2 Time extension to 31 Mar 66. \$ ---

Mod 3 FY 65 overhead rates. \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 34,756.00

Sent to FRCEN: 30 SEP 1969  
To be Delivered Jul 74

Performance Completed: 20 Apr 66

Contract CLOSED: 15 Sep 67 **CLOSED**

Refund: \$ none

393 The Mitre Corporation

NP

CPFF a(11)

No. Contractor  
(1 Feb 65 - 30 Apr 66)

Status

Contract Type  
& Authority  
73,000

SUBJECT: Microwave radiometry for fireball measurements.  
(RAEL)

\$ 73,000.00

Maj. C.W. Hulburt

Mod 1 Change ART.VI - Accrual of Fixed Fee.

\$ ---

Mod 2 Execution of a supplemental agreement.  
Changing mission requirements dictated termination of the effort.

\$ 4,026.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$77,026.00

Sent to FRCEN: 30 SEP 1969

To be Destroyed Jul 74

Performance Completed: 26 Jul 66 (Termination H.R.)

Contract CLOSED: 12 June 1968

Refund: \$ none

No.	Contractor	Status	CPFF a(11) Contract Type & Authority
394	Hughes Aircraft Company	L	
	(15 Jan 65 - 30 Jan 66)(pre-contract fm 16 Dec 64)		
SUBJECT: Microelectronic Circuit radiation tests, RAIN DROP 2.2. (RANU)			\$ 202,653.00

Mr. James Lee, BUWEPs (Maj W. Alfante - DASA Monitor)

Mod 1	Time extension to 31 Mar 66.	\$ ---
-------	------------------------------	--------

Mod 2	Time extension to <del>30 Jan 66</del> 15 Sep 66.	\$ ---
-------	---	--------

Mod 3	Time extension to 31 Dec 66.	\$ ----
-------	------------------------------	---------

Mod 4	Final OH rates for 64 and 65	\$ ----
-------	------------------------------	---------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL:	\$202,653.00
--------	--------------

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: 13 Jan 67

Contract CLOSED: 12 Dec 68

Refund: \$ 517.61

395 No.	General Atomic Contractor (1 Jan 65 - 31 Dec 65)	L Status	CPFF a(11) Contract Type & Authority
------------	--	-------------	--

SUBJECT: Radiation effects correlation tests (RAIN DROP 2.11) (RANU)			\$ 285,000.00
---	--	--	---------------

Mr. E.E. Conrad, HDL (Maj Alfonte - Monitor)

Mod 1	Time extension to 28 Feb 66	\$ ---
-------	-----------------------------	--------

Mod 2	Time extension to 30 Apr 66	\$ ---
-------	-----------------------------	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

\$285,000.00

Sent to FRCEN: 30 SEP 1969  
To be Destroyed *Jul 74*

Performance Completed: *9 Feb 67*

Contract CLOSED: 12 Jun 68

*Closed*

Refund: \$ none

396 No.	Edgerton, Germeshausen & Grier, Inc. (Boston) Contractor (11 Jan 65 - 11 Jan 66)	L Status	CPEF a(11) Contract Type & Authority
------------	--	-------------	--

<b>SUBJECT:</b> (BSNE)	Technical photography for Operation SAILOR HAT. 9.3		\$ 180,685.00
---------------------------	---	--	---------------

Lt Livingstone

Mod 1 (RA)	Technical photography of fiberglass components of Weapons Effects Buoy System (WEBS) on SAILOR HAT III (Event D)	\$ 11,654.00
---------------	---	--------------

Capt D.R. Smith

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL:	\$192,439.00
PAID:	184,261.04

Performance Completed:

11 Jan 66

Contract CLOSED:

8 Jan 70

[REDACTED]

Refund:	\$8,177.96
---------	------------

397	Pan-Fax, Inc.	SB	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	2 Jan 65 - 31 Mar 66 (pre-contract fm 1 Dec 64)		156,000
SUBJECT: Interface scanning and recording equipments with PICE and (RAEL) CDC 1604 and 3400 equipments.			\$ 137,661.00

Maj C.W. Hulburt

Mod 1	Additional work scope	\$ 9,636.00
-------	-----------------------	-------------

Mod 2	Funds to continue lease of space for PICE equipment to 30 Jun 66. (4 mos)	\$ 2,424.00
-------	--	-------------

Mod 3	Development of programming logic designed in source language for 3600 computer system & provision for 3600 computer time. Time extension to <del>30 Jun 66</del> 31 Dec 66	\$ 45,610.00
-------	--	--------------

Mod 4	Change dates	\$ ---
-------	--------------	--------

Mod 5	Additional costs (overrun)	\$ 1,915.96
-------	----------------------------	-------------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL:	\$197,046.96
Paid:	<u>196,397.97</u>

Performance Completed: 12 May 67

Contract CLOSED: 14 Mar 70

**CLOSED**

Refund: \$ 648.99

398 No.	Stanford Research Institute Contractor	NP Status	CPFF a(11) Contract Type & Authority
	11 Jan 65 - 30 Sep 66		
	SUBJECT: X-ray flux and spectral measurements on RED HOT/DEEP WELL Events. (BSPS) (BSPS)		\$ 354,943.00
	Maj M. Colvin, STWT		
Mod 1	Holding costs due to delay in tests. Time extension to 30 Sep 67		\$ 161,326.00
Mod 2	Termination for convenience of the Government.		-\$ 74,356.00 (decrease)
Mod 3	Final Oh rates for 66		\$ ----
Mod 4	OH rates for '67		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

TOTAL: \$441,913.00  
PAID: 435,752.93

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed: 8 Aug 67

Contract CLOSED:

30 Sep 69 **CLOSED**

Refund: \$ 6,160.07



399

Isotopes, Inc.

No.

Contractor

Status

Contract Type  
& Authority

SUBJECT: Facilities Contract.

\$ ---

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Performance Completed:

Contract CLOSED:

Refund: \$

400	General American Transportation Corp.	L	CPFF a(11)
	Contractor	Status	Contract Type & Authority
	(1 Feb 65 - 30 Nov 65)		
SUBJECT:	Nuclear blast wave modification with an artificial precursor.		\$ 60,000.00
(BS)			

Maj Barnes - Maj Choromokos

Mod 1 Change of name and address. Time extension to 31 Dec 65. \$ ---

Mod 2 ~~Time extension to 31 Dec 65~~ \$ 92,000.00  
Air blast wave modification experiments on Operation DISTANT PLAIN.  
Time extension to 31 Jan 67.

Mod 3 Additional work (3 projects) ~~and time extension to 31 Dec 65~~ \$163,000.00

Mod 4 Analytical support for HEST improvement program. \$ 35,400.00

Mod 5 Acquisition of spare 110' spherical balloon for use during \$ 25,000.00  
DISTANT PLAIN.  
Time extension to 31 July 67

Mod 6 Participation in the rescheduled Event 2 of Operation DISTANT PLAIN. \$ 51,370.00  
Project 1.10 , Components Tests and Project 1.09  
Time

Mod 7 Over-expenditure resulting from test delays and other unpredictable \$ 25,200.00  
aspects of Operation DISTANT PLAIN.

Mod 8 Time extension to 31 Jan 68 \$ -----

Mod 9 Incorporation of OH rates for FY's 65, 66 and 67. \$ ---

TOTAL AMOUNT: \$451,970.00

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed: Nov 67

Contract CLOSED:

28 Aug 69

CLOSED

Refund: \$ - 0 -



401

O'Brien &amp; Associates

S

CPFF a(11)

Contractor

Status

Contract Type  
& Authority

(22 Jan 65 - 16 Mar 65)

SUBJECT: Design services: preparation of construction plans and  
(BS) specifications required for Project LONG SHOT.

\$ 53,200.00

Lt Col Barker

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 53,200.00

SENT TO O'BRIEN: 4 Apr 68  
To be destroyed Jul 71

Performance Completed:

16 Mar 65

402	AirTechnology Corp.	CPFF
No.	Contractor	Status
	(1 Mar 65 - 30 Nov 66 ) (pre-contract fm 1 Sep 64)	Contract Type & Authority
SUBJECT: EMP study program. (RAEL)		\$ 274,518.00

Capt ~~xxxxxx~~ Allen

Mod 1	Time Extension to 28 Feb 67	\$ ---
-------	-----------------------------	--------

Mod 2	for Additional funds <del>of</del> OH adjustment - and overrun costs. Time extension to 30 Nov 67.	\$ 5,199.00
-------	--	-------------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

\$279,717.00

Performance Completed: 15 Nov 67

Contract CLOSED: 28 Oct 68

Refund: \$ None

403	Cornell Aeronautical Laboratory, Inc.	CPFF
No.	Contractor	Status
	(9 Feb 65 - 9 Nov 65 ) (pre-contract fm 14 Dec 64)	Contract Type & Authority
SUBJECT:	Determination of Ionospheric reaction rate coefficients during solar eclipse (30 May 1965)	\$ 99,585.00

Maj G.R. Underhill (Tech Coordinator - Mr. W. Berning, BRL)

Mod 1	Additional data analysis and time extension to 30 Apr 66	\$ 17,616.00
-------	--	--------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

TOTAL:	\$117,201.00
--------	--------------

Performance Completed: 20 May 66

Contract CLOSED:

11 Jun 69

**CLOSED**

Refund: \$ 641.28

404	IIT Research Institute	CPFF
No.	Contractor	Contract Type & Authority
	(10 Feb 65 - 30 Nov 65)	

**SUBJECT:** Measurements on Eclipse of 30 May 1965.  
(RAEL)

\$ 43,394.00

Maj. G.R. Underhill (Tech Coordinator - Mr. W. Berning, BRL)

Mod 1 Time extension to 30 Sep 66.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 43,394.00

Sent to FRCEN: 30 SEP 1969  
To be Destroyed July 74

Performance Completed: 15 May 66

Contract CLOSED: 28 Sep 67

Refund: \$ none

405 No.	Stanford Research Institute Contractor	NP Status	CPFF Contract Type & Authority
	(10 Feb 65 - 30 Nov 65)		
SUBJECT: Solar eclipse measurement program (30 May 1965) (RAEL)			\$ 97,249.00

Maj G.R. Underhill (Tech Coordinator - Mr. W. Berning, BRL)

Mod 1	Time extension to 31 Jan 66	\$ --
-------	-----------------------------	-------

Mod 2	Time extension to 30 Jun 66	\$ ---
-------	-----------------------------	--------

Mod 3	OH rates for FY 65	\$ ---
-------	--------------------	--------

Mod 4	Oh rates for 66	\$ ----
-------	-----------------	---------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

\$ 97,249.00

Sent to FROEM: 30 SEP 1969  
To be Destroyed Jul 74

Performance Completed: 20 Jun 66

Contract CLOSED: 14 Jul 67

**CLOSED**

Refund: \$ 395.38



Battelle Memorial Institute

Contractor

(1 Mar 65 - 31 Aug 66)

Status

CPFF (a)(11)

Contract Type

& Authority

\$49,300.00

\$

OBJECT: TREE Handbook for design engineers.

(RANU)

~~Major R. K. Mitchell~~ ~~Major R. K. Mitchell~~ LtJG Richard K. Stevens, RAEV

Mod 1 Revisions to handbook. ~~Time extension to 30~~ \$45,800.00

Mod 2 Time extension to 30 November 1966 \$ ---

Mod 3 Continuation of support for the revision and updating of TREE Handbook. \$ 86,180.00  
Time extension to 30 Sept 67

Mod 4 Additional services in connection with the DASA TREE Handbook No. 1420 \$ 7,840.00  
Time extension to 31 Oct 67.

Mod 5 ~~Additional work~~ Additional work \$ 5,055.00  
Time extension to 31 Jan 68.

Mod 6 Add a new clause "Negotiated Overhead Rate Clause" \$ ---  
Incorporation of OH rates for '67

Mod 7 \$

Mod 8 \$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$194,175.00  
PAID: 194,175.00

Performance Completed: 5 Feb 1968

Contract CLOSED:

18 Nov 70

CLOSED

Refund: \$ - 0 -

407 NRA, INC.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(15 Feb 65 - 15 Feb 66)	(pre-contract fm )	

**SUBJECT:** Summary of unclassified literature pertaining to the effects of U.S. and USSR high altitude nuclear explosions.

RAEL

LTC J. Brown, RAE

Mod 1	Time extension to 15 May 66.	\$ --
-------	------------------------------	-------

Mod 2	Time extension to 15 Sep 66.	\$ --
-------	------------------------------	-------

Mod 3	Time extension to 15 Dec 66.	\$ ---
-------	------------------------------	--------

Mod 4	Continuation of bibliography Time extension to 14 Dec 67.	\$ 91,800.00
-------	--	--------------

Mod 5	Continuation of bibliographic effort. (FY68 NWER RHA5008, subtask 07.008)	\$ 94,712.00
-------	--	--------------

Mod 6	Part V - Bibliography (FY69 NWER HB 049) Time extension to 31 Dec 69.	\$ 154,150.00
-------	---	---------------

Mod 7	Time extension to 31 May 70.	\$ ---
-------	------------------------------	--------

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72

To be Destroyed Jul 77

Brought Forward

\$

\$

Total \$ 403,992.00

PAID: 403,992.00

Finance Completed:

Contract CLOSED:

Refund: \$ - 0 -

**CLOSED**

22 Apr 71

408	Edgerton, Germeshausen & Grier, Inc. (Goleta)	CPFF	a(11)
No.	Contractor	Status	Contract Type & Authority
	(17 Feb 65 - 31 Oct 65)		
SUBJECT: Development of ionization chamber readout systems (2). (AFRRI)			\$ 10,975.00

CDR Gade (STMD)

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL: \$10,975.00

PAID: 10,933.57

Performance Completed:

31 Oct 65

Contract CLOSED:

9 Jan 70

**CLOSED**

Refund: \$ 41.43

409 No.	Space General Corp. Contractor	L Status	Contract Type & Authority
SUBJECT: Facilities Contract.			\$ ---

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Performance Completed:

Contract CLOSED:

Refund: \$

410 Edgerton, Germeshausen & Grier, Inc. (Boston)

No.	Contractor	Status	Contract Type & Authority
-----	------------	--------	---------------------------

(1 Mar 65 - 1 Mar 70)

SUBJECT: Facilities Contract for all DASA property at Contractor's plant, \$ ---

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed:

Contract CLOSED:

3 Mar  
8 Apr 64

CLOSED

Refund: \$



# LOG OF CONTRACTUAL ACTIONS

XZ-412 The G. C. Dewey Corp.

S

SPAA (a)(11)

No.

Contractor

( 1 Mar 65- 31 May 67

)(pre-contract fm

Contract Type  
) & Authority

SUBJECT: A laboratory investigation of charged particle reactions  
affecting radio propagation in the sub-D region

\$ 241,942.00

Dr. C. A. Blank (RAEL)

Mod 1

Time extension to 15 Jan 68.

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Performance Completed: 3 FEB 68

Contract Closed: 06 OCT 78

Sent to WNRC: Dec 78

To Be Destroyed: Dec 84

Total \$241,942.00  
PAID: \$234,025.56

Refund: \$ 7,916.44

413 No.	ESL, Inc. Contractor (26 Mar 65 - 31 Dec 65)	S Status	CPFF a(11) Contract Type & Authority
------------	--	-------------	--

**SUBJECT:** Study of nuclear weapon effects on radio frequency propagation  
(RAEL) from communications satellites.

\$ 43,372.00

Maj G.R. Underhill

Mod 1 Additional work and time extension to 2 Aug 66)

\$ 59,362.00

Mod 2 Provide computational aids for given scatter-communication links as  
RAEL well as numerical data for the DASA Communications Handbook.  
Time extension to 31 Aug 67.

\$146,522.00

Mr. D. Evelyn

Mod 3 Extension of studies. Time extension to 31 Aug 68.

\$173,137.00

Mod 4 Preparation of a Computer Program Description.  
(FY68 NWER, RHA 5043)

\$ 17,299.00

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL: \$439,692.00  
PAID: 439,692.00

Performance Completed: 31 Dec 68

Contract CLOSED:

25 Jun 70

**CLOSED**

Refund: \$ - 0 -



414

Pan-Fax, Inc.

Contractor

Status

Contract Type  
& Authority

(1 Jul 66 - 1 Jul 71)

SUBJECT: Facilities Contract for all DASA property at Contractor's plant.

\$ ---

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: *sep 72*  
To be Destroyed *Jul 78*

Performance Completed:

Contract CLOSED:

*14 Apr 69***CLOSED**

Refund: \$

415	Edgerton, Germeshausen & Grier, Inc. (Albuquerque) L	CPFF
No.	Contractor	Status
(1 Mar 65 - 31 Aug 65)		Contract Type & Authority
SUBJECT.	Support services for DASA PERT.	\$ 75,746.00
(WTD)		

~~Maj Harry C. Goodson III, TC~~ Maj Harry C. Goodson III, TC

Mod 1	Implementation of DASA Continental Test Planning Cycle.	\$ 105,253.00
-------	---	---------------

Mod 2	Changes in support services. Time extension to 31 Aug 66.	\$ 445,768.00
-------	--	---------------

Mod 3	additional research-related services concerned particularly with DASA's conceptual planning, programming, schedule & cost estimating and orderly organization of nuclear weapons effects tests.	\$ 48,888.00
-------	---	--------------

Mod 4	Extension for Technical Support Services for Test Command Time extension to 31 Aug 67.	\$ 499,000.00
-------	---	---------------

Mod 5	Larger effort - re-orientes the proposed effort to meet presently known Test Command needs. Time extension to 31 Aug 68.	\$ 386,181.00
-------	---	---------------

Mod 6	Provide TC support services beyond the in-house capability. Time extension to 31 Aug 69. (FY69 J45)	\$ 386,100.00
-------	---	---------------

Mod 7	Time extension to 30 Sep 69.	\$ ---
-------	------------------------------	--------

Mod 8		\$
-------	--	----

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79  
TOTAL PAID

\$ 1,946,936.00  
\$ 1,907,423.45

Performance Completed:

Contract CLOSED:

**CLOSED**

Refund: \$ 39,512.55



417 Electro-Optical Systems, Inc.

S

No.	Contractor	Status	Contract Type & Authority
-----	------------	--------	------------------------------

SUBJECT: Facilities Contract

\$ ---

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Performance Completed:

Contract CLOSED:

Refund: \$

418	General Electric Company (TEMPO)	L	
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 66 - 1 Jun 71)		
SUBJECT: Facilities Contract.			\$ ---
Mod 1	Update clauses and Schedule B. Effective date 1 May 69.		\$ --
Mod 2	Update Appendix B (as of 1 Dec 69)		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to ERGEN: May 72  
To be Deleted Jul 77

Performance Completed:

Contract CLOSED:

**CLOSED**

1 Jun 71

Refund: \$

419 No.	Edgerton, Gërmeshausen & Grier, Inc. (Las Vegas)	L	Status	Contract Type & Authority
------------	--	---	--------	------------------------------

SUBJECT: Facilities Contract				\$ ---
------------------------------	--	--	--	--------

Mod 1				\$
-------	--	--	--	----

Mod 2				\$
-------	--	--	--	----

Mod 3				\$
-------	--	--	--	----

Mod 4				\$
-------	--	--	--	----

Mod 5				\$
-------	--	--	--	----

Mod 6				\$
-------	--	--	--	----

Mod 7				\$
-------	--	--	--	----

Mod 8				\$
-------	--	--	--	----

Performance Completed:

Contract CLOSED:

Refund: \$

The Lovelace Foundation for Medical  
Education and Research

420

No. Contractor

E

Status

Contract Type  
& Authority

SUBJECT: Facilities Contract.

\$ ---

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Performance Completed:

Contract CLOSED:

Refund: \$

421	GCA, Inc.	S	
No.	Contractor	Status	Contract Type & Authority
	(1 Apr 65 - 1 Apr 70)		
SUBJECT: Facilities Contract.			\$ ---
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

see 69-C-0017

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed:

Contract CLOSED: 1 Oct 68  
9 Apr 69

CLOSED

Refund: \$



422 No.	General American Transportation Corp. Contractor (15 Mar 65 - 31 Jul 66)	L Status	CPFF a(11) Contract Type & Authority
------------	--	-------------	--

<b>SUBJECT:</b> (BSAB)	Nuclear blast simulation (to determine techniques other than HE in simulating blast effects of a nuclear explosion)		\$ 154,900.00
---------------------------	--	--	---------------

Capt J. Choromokos

Mod 1	Change of company name and address.	\$ ---
-------	-------------------------------------	--------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL:	\$154,900.00
--------	--------------

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: Jul 66

Contract CLOSED:

12 Sep 68

Refund: \$ - 0 -

No.	Contractor	Status	Contract Type & Authority
423	Medical College of Virginia (1 Apr 65 -31 Dec 65)	E	a(5) \$ 9,475.00

SUBJECT: Prediction of mortality following thermal injury.  
(STMD)

\$ 9,475.00

Capt Watters

Mod 1	Additional work and time extension to 31 Dec 66.	\$ 11,000.00
-------	--	--------------

Mod 2	Time extension to 30 July 67	\$ ---
-------	------------------------------	--------

Mod 3	Time extension to 31 Aug 1968.	\$ --
-------	--------------------------------	-------

Mod 4	OH rates for FY's '65, '66 and '67.	\$ ----
-------	-------------------------------------	---------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL:	\$20,475.00
PAID:	19,208.82

Sent to FREEM: Jan 72  
To be Destroyed Jul 76

Performance Completed:

Contract CLOSED:

**CLOSED**

Refund: \$ 1,266.18

424	Massey Dickinson Company, Inc.	S	a(11) FP
No.	Contractor	Status	Contract Type & Authority
	(8 Apr 65 - 9 Aug 65)		25,275
SUBJECT: Behavioral sciences prototype equipment. (STMD)			\$ 25,275.00

Capt C.F. Cobb, AFRRI

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

Sent to FRCEN: 2 APR 1969  
To be Destroyed *Jul 72*

\$ 25,275.00

Performance Completed:

Contract CLOSED: 1 Oct 65

**CLOSED**

Refund: \$ none

425	Foringer & Company, Inc.	S	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	27 Apr 65 - 31 Aug 65		33,000
SUBJECT: Behavioral sciences prototype equipment. (STMD)			\$ 32,800.00

Capt C.F. Cobb, AFRRRI

Mod 1	Manufacture nine manipulanda. Time extension to 20 Dec 65.	\$ ---
-------	--	--------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

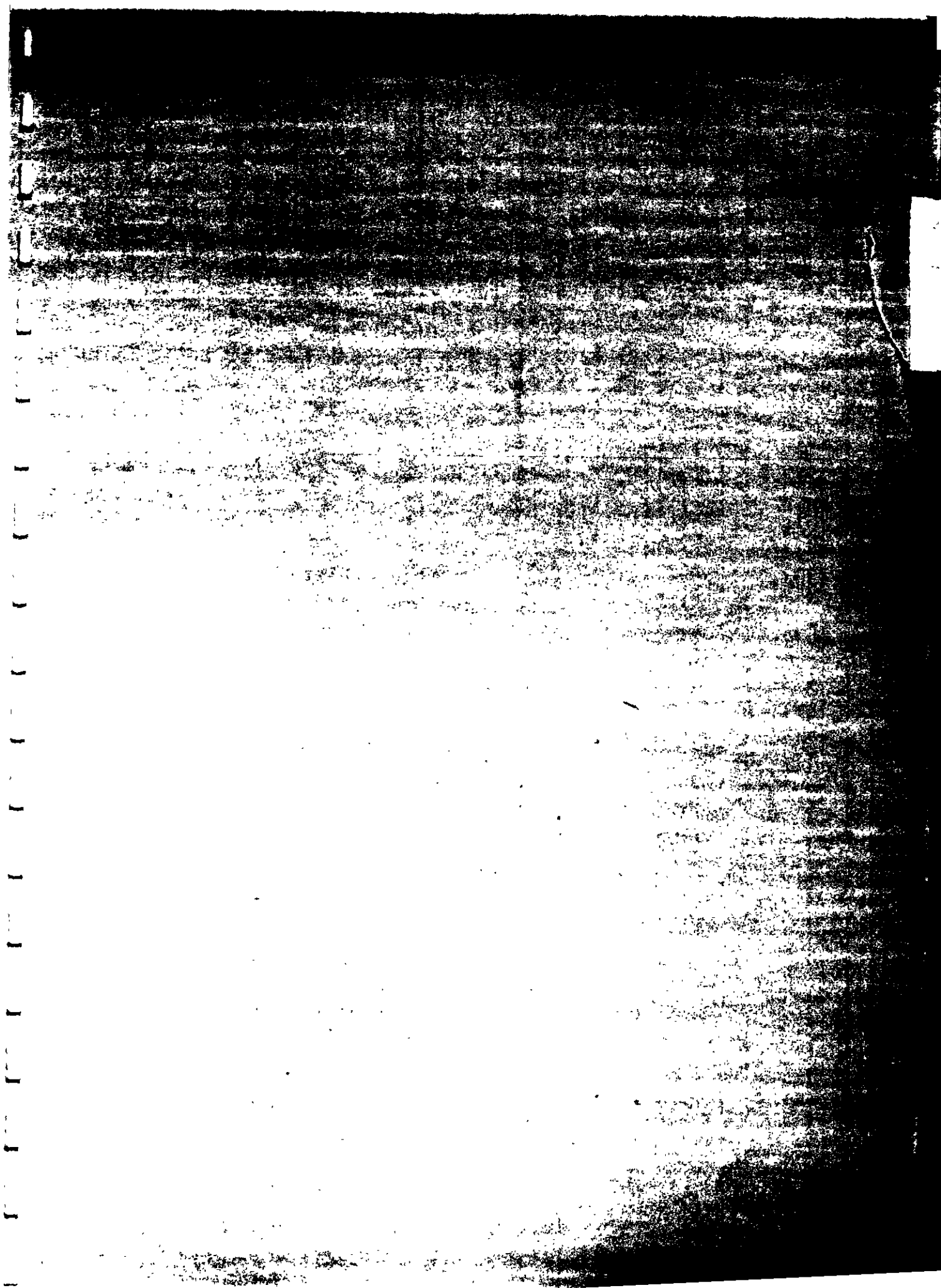
\$ 32,800.00

Sent to FRCEN: 2 APR 1969  
To be Destroyed Jul 72

Performance Completed: 1 Mar 66

Contract CLOSED: 18 May 66

Refund: \$ none



426	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(6 Apr 65 - 5 Jan 66)		
SUBJECT: Research to develop a technique for measuring equations of state of materials at very high pressure.			\$71,150.00
(STBS)			
LCDR Crowley			
Mod 1	Time extension to 10 Jun 66.		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$71,150.00

Sent to FRCEN: 30 SEP 1969

To be Destroyed Jul 74

Performance Completed: 3 Jun 66

Contract CLOSED: 12 Jun 68

Refund: \$ none

427	Biotechnology, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(20 Apr 65 - 20 Feb 66) (Pre-contract fm 15 Mar 65)		14,000
SUBJECT: Solar thermal measurements for use in flashblindness studies. (STMD)			\$ 14,000.00

3/29/65  
8/1/65  
LCDR R. Garver

Mod 1 Increase pre-contract costs from \$500 to \$1500.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 14,000.00

Sent to IROEN: 30 SEP 1969

To be Destroyed Jul 74

Performance Completed:

15 Feb 66

Contract CLOSED:

26 Feb 68

Refund: \$ 40.58

428 Hughes Aircraft Company

No. Contractor Status Contract Type & Authority <sup>a(10)</sup>

SUBJECT: Facilities Contract.

\$ None

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

None

Sent to FRCEN: 30 SEP 1969  
To be Destroyed Jul 74

Performance Completed:

Contract CLOSED:

26 Feb 68

Refund: \$



429	GM Defense Research Laboratories	CPFF a(11)
No.	Contractor	Status
	(3 May 1965 - 2 May 66)	Contract Type & Authority
SUBJECT:	Obtain Hugoniot equation of state data for use in theoretical calculations of shock wave propagations.	\$ 116,875.00
(BSPS)		

LCDR I.D. Crowley

Mod 1	Additional work and time extension to 30 <del>June</del> Dec 66.	\$ 131,990.00
-------	--	---------------

Mod 2	Time extension to 15 April 1967	\$ ----
-------	---------------------------------	---------

Mod 3	Change name	\$ --
-------	-------------	-------

Mod 4	Change administration	\$ --
-------	-----------------------	-------

Mod 5	To measure release isentropes. Time extension to <del>15 Sept 67</del> 31 Mar 68.	\$ 14,614.00
-------	--	--------------

Mod 6	Time extension to 1 Aug 68.	\$ ---
-------	-----------------------------	--------

Mod 7	Change in work statement and Time extension to 31 Mar 69.	\$ ---
-------	--	--------

Mod 8		\$
-------	--	----

TOTAL: \$263,479.00

PAID: 263,479.00

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed:

Contract CLOSED:

**CLOSED**

Refund: \$ - 0 -

430	Aeronautical Research Associates of Princeton, Inc.	CPFF a(11)
No.	Contractor	Contract Type
	(1 Jun 65 - 31 Aug 67)	& Authority

SUBJECT: Develop a computer program in FORTRAN which will provide a time history of thermal and shock environments resulting from hypervelocity fragment impact within the re-entry vehicle. \$ 408,136.00

~~Mr. E.C. Wecker~~ Mr. Rubenstein

Mod 1	Time extension to 1 November 1967	\$ ---
Mod 2	Perform a theoretical and experimental study of the aerothermal behavior of re-entry vehicle (R/v) heat shield cracks. Time extension 31 Jan 69.	\$68,317.00
Mod 3	Supersonic Tests of the Aerothermal Behavior of Heat Shield Cracks. Time extension to 14 Jun 69. (FY 68 NWER-RAS 2260)	\$98,292.00
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

TOTAL:	\$574,745.00
PAID:	574,745.00

Sent to PROSEC. 72  
To be Destroyed Jul 78

Performance Completed:

Contract CLOSED:

**CLOSED**

Refund: \$ - 0 -

23 Mar 70

431	National Engineering Science Company	5	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(8 Apr 65 - 31 Mar 66)		11-65
SUBJECT: Wave tank study of the hydrodynamics of water waves. (BS)			\$ 39,927.00

~~Mr. P.N. Livingstone~~ *CDR J. P. Jamieson*

Mod 1	Time extension to 15 April 66.	\$ ----
-------	--------------------------------	---------

Mod 2	Additional funds for OH adjustments.	\$ 367.00
-------	--------------------------------------	-----------

Mod 3	Novation Agreement	\$ ---
-------	--------------------	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

\$ 40,294.00

Performance Completed: 15 Apr 66

Contract CLOSED: 25 Sep 68

Refund: \$ none

432 Medical College of Virginia

E

No.

Contractor

Status

Contract Type  
& Authority

SUBJECT: Facilities Contract.

\$

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

*not used*

Performance Completed:

Contract CLOSED:

Refund: \$

433 No.	TRW Space Technology Laboratories Contractor (21 Apr 65 - 20 Nov 65)	L Status	CPFF a(11) Contract Type & Authority
------------	--	-------------	--

SUBJECT: (BSPS)	Shock spectrum measurements on SAILOR HAT Event "D".		\$ 20,306.00
--------------------	--	--	--------------

~~XXXXXXXXXXXX~~ Lt Jg Isenberg, STBS

Mod 1	Official change of contractor's name.	\$ ----
-------	---------------------------------------	---------

Mod 2	Correct error in appropriation data	\$ ----
-------	-------------------------------------	---------

Mod 3	Time extension to 28 Feb 66	\$ ----
-------	-----------------------------	---------

Mod 4	Time extension to 1 Jun 66.	\$ ---
-------	-----------------------------	--------

Mod 5	Incorporation of OH rates for FY's 65 and 66	\$ --
-------	--	-------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL: \$20,306.00

PAID: 17,976.09

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed:

Contract CLOSED:

27 May 66  
30 Sep 69 **CLOSED**

Refund: \$ 2,329.91

434	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(20 Apr 65 - 31 Jul 66)		
SUBJECT: X-ray correlation tests. under the DISTANT MIST Program			\$ 107,203.00
RANU			
Capt A.V. Polk			
Mod 1	Time extension to 30 Sept 66.		\$ ----
Mod 2	Time extension to 31 Dec 66		\$ ----
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$107,203.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: 14 Oct 67

Contract CLOSED: 3 Sep 68

PAID

Refund: \$ 2,828.86

435	IIT Research Institute	NP	CPFF	a(11)
	Contractor	Status	Contract Type & Authority	
	(4 May 65 - 31 Jul 66)			

SUBJECT: Gage development work in support of high pressure vs time measurements for TINY TOT, RED HOT/DEEP WELL and PILE DRIVER \$ 100,000.00

Dr. P. W. Brady Capt. G. O'Brien, STPS Maj Lewis J. Cauthen, SPLN

Mod 1	Time extension to 31 Oct 66.	\$ ---
-------	------------------------------	--------

Mod 2	To calibrate the several IITRI high pressure gages in the range of 30-250 Kilobars. Time extension to 31 Oct 67.	\$168,536.00
-------	---	--------------

Mod 3	Studies of IITRI Gage loading in Elastic-Plastic Region of Granite. Time extension to 15 Jun 68	\$ 18,704.00
-------	--	--------------

Mod 4	Time extension to 30 Nov 68.	\$ ----
-------	------------------------------	---------

Mod 5	Time extension to 31 May 69.	\$ ---
-------	------------------------------	--------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$287,240.00  
PAID: 287,111.65

Performance Completed: 21 Nov 69

Contract CLOSED: 18 Nov 70

**CLOSED**

Refund: \$ 128.35

436	Stanford Research Institute	NP	CPFF (a)(11)
	Contractor	Status	Contract Type & Authority
	(14 Apr 65 - 14 Jul 66)		

SUBJECT: Communication Users Handbook  
(RAEL)

\$ 250,342.00

~~Mr. D. Evelyn~~ Mr. Dow M. Evelyn, RAEI

Mod 1	Computations of effects of specific nuclear detonations of HF communications for incorporation in Handbook. Time extension to 21 Mar 67	\$ 87,100.00
-------	---	--------------

Mr. D. Evelyn

Mod 2	Preparation of Nuclear Effects Handbook for HF Communications Time extension to 31 Mar 68 Extension to Task IV	\$ 178,615.00
-------	--	---------------

Mod 3	Overhead rates for FY 66	\$ ---
-------	--------------------------	--------

Mod 4	Additional research on nuclear effects on high frequency communications systems. (FY68 NWER, RHA 5043) Time extension to 31 Mar 69.	\$ 84,724.00
-------	---	--------------

Mod 5	OH rates for '67 and time extension to 31 Jul 69.	\$ ---
-------	--	--------

Mod 6	Time extension to 31 Aug 69.	\$ ---
-------	------------------------------	--------

Mod 7	Incorporation of OH rates for '68 and '69	\$ ---
-------	---	--------

Mod 8	Additional funds for OH adjustments. 67 NWER HE 043 02	\$ 2,706.00
-------	---	-------------

Sent to FRGEN: May 72  
To be Destroyed Jul 77

TOTAL: \$603,487.00  
PAID: 603,486.56

Performance Completed:

Contract C

**CLOSED**

0.44



437	IIT Research Institute	NP	CPFF a(11)
No	Contractor	Status	Contract Type & Authority
	( 14 Apr 65 - 14 Jul 66 )	(pre-contract fm )	
SUBJECT: Communication Users Handbook			\$ 135,696.00
RAEL			
Mod 1	Additional research in connection with the preparation of a handbook of radio propagation. Time extension 31 May 67.		\$ 139,924.00
Mod 2	Time extension to 15 Jul 67		\$ ----
Mod 3	Additional work concerning Handbook of Radio Propagation in a Nuclear Environment. Time extension to 30 Sep 68		\$ 39,819.00
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$

Per nce Completed:

Contract CLOSED:

29 Jan 70

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Total \$ 315,439.00

PAID: 315,439.00

Refund: \$ - 0 -

**CLOSED**

438	Lockheed Aircraft Corp.	L	CPFF a(11)
	Contractor	Status	Contract Type & Authority
	(17 May 65 - 31 Aug 66)		
SUBJECT:	Investigate the feasibility of experimentally determining the changes in re-entry vehicle observable induced by a nuclearly disturbed environment		\$ 173,000.00
(RAEL)			
Maj G.R. Underhill - Mr. Evelyn			
Mod 1	Time extension to 30 Nov 66.		\$ -----
Mod 2	Time extension to 31 Dec 66.		\$
Mod 3	Time extension to 15 Jan 67		\$ ---
Mod 4	Final OH rates for '65 , 66 and '67		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

TOTAL:	\$173,000.00
PAID:	<u>160,735.60</u>

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed: 9 Jan 67

Contract CLOSED:

10 Aug **CLOSED**

Refund: \$ 12,264.40

439 No.	Pan-Fax, Inc. Contractor	S Status	CPFF a(11) Contract Type & Authority
(10 May 65 - 15 Jul 66)			
SUBJECT: Program response - Project BLUE ROCK (9.9) (STAP)			\$ 171,527.00

CDR G. T. Strong - LTC D. Wolf

Mod 1	Increased work scope. Time extension to 30 Jun 67	\$ 107,722.00
-------	--	---------------

Mod 2	Adapt two paragraphs to Work Scope inadvertently omitted from Mod 2.	\$ ----
-------	--	---------

Mod 3	Delete JTF-8 tasks; change completion date to 30 Apr 67; reduce funds.	\$ <u>DECREASE</u> 22,400.00
-------	--	---------------------------------

Mod 4	Additional costs (overrun)	\$ 1,560.86
-------	----------------------------	-------------

Mod 5	Additional funds for overrun - OH adjustment	\$ 1,923.96
-------	--	-------------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL:	\$260,333.82
PAID:	<u>260,333.82</u>

Completed: 4 May 1967

CLOSED:

29 Dec 69

**CLOSED**

Refund: \$ - 0 -

440	General Electric Company (TEMPO)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority

(10 May 65 - 31 Jan 66)

**SUBJECT:** Preparation of VELA test plan for participation in Operation  
ARPA BLUE ROCK.

\$ 97,760.00

Maj C.W. Hulburt, RAEL

Mod 1 Time extension to 30 Apr 66

\$ ---

Mod 2 Time extension to 30 Jun 66.

\$ ---

Mod 3 Increased work scope. Time extension to 31 Jan 67.  
Ceiling on overhead rates.

\$ 24,177.00

Mod 4 Time extension to 31 Mar 67.

\$ ---

Mod 5 Incorporation of OH rates for '65

\$ ---

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$121,937.00

Sent to FRGEL  
To be Destroyed

**CLOSED**

3 DEC 73

TOTAL \$121,937.00

PAID \$121,071.36

REFUND\$ 865.64

Performance Completed:

17 Apr 67

Contract CLOSED:

final need audit

Refund: \$

441 No.	Princeton University Contractor (1 Jun 65 - 31 Aug 66)	E Status	Cost a(5) Contract Type & Authority
------------	--	-------------	---

SUBJECT:	Parametric study of the response of a layered elastic medium		\$ 16,957.00
BSPS	to an impulsive point source load.		

LCDR I.D. Crowley

Mod 1	Time extension to 31 May 67.	\$ ---
-------	------------------------------	--------

Mod 2	Time extension to 30 Nov 67	\$ ---
-------	-----------------------------	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL:	\$16,957.00
--------	-------------

Sent to FRCEN: Sep 72  
To be Destroyed Jul 78

Performance Completed: 12 Mar 68

Contract CLOSED: 15 Apr 69

**CLOSED**

Refund: \$ 3,062.07

No.	Contractor	Status	CPFF a(11) Contract Type & Authority
442	Edgerton, Germeshausen & Grier, Inc. (Las Vegas)	L	
(2 Jun 65 -31 Dec 66 ) (Pre-contract fm 24 May 65)			
SUBJECT:	Instrumentation and recording support of experiments conducted		\$313,275.00
WTD	as part of Operation DISTANT MIST (8.6)		

CDR R.C. Holmes

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL:	\$313,275.00
PAID:	311,713.05

Performance Completed: 31 Oct 67

Contract CLOSED:

5 Feb 70

**CLOSED**

Refund: \$ 1,561.95

443	General Dynamics/Convair	L	CPFF	a(11)
No.	Contractor	Status	Contract Type & Authority	

SUBJECT: Nuclear explosion history and multiburst study.  
RATH

\$ 75,978.00

~~Major F. Doyle~~ LTC Reynolds, RAAE

Mod 1 Time extension to 31 Dec 66 \$ ----

Mod 2 Further investigation of multiburst phenomena \$ 101,801.00  
Time extension to 31 Mar 68

Mod 3 Time extension to 30 Nov 68. \$ ---

Mod 4 Time extension to 28 Feb 69. \$ ----

Mod 5 Time extension to 30 Nov 69. \$ --

Mod 6 Incorporation of Corporate Office G&A Expense Rates \$ ---  
65-66-67 and 68

Mod 7 \$

Mod 8 \$

Sent to ERGEN: Aug 74  
To be Destroyed Jul 80

TOTAL \$177,779.00  
PAID 175,688.94

Performance Completed:

Contract CLOSED:

**CLOSED**

Refund: \$ 2090.06

8 Dec 69

4 Dec 73

444	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPFF	a(11)
No.	Contractor	Status	Contract Type & Authority	
	(15 Jun 65 - 31 Jul 66)			

SUBJECT: Project management for DASA Photo-processing Facility for BLUE ROCK. \$ 60,973.00  
APTE

Mr. W.S. Isengard, STWT

Mod 1	Time extension to 30 Apr 67.	\$	---
-------	------------------------------	----	-----

Mod 2	Time extension to 30 Jun 67	\$	----
-------	-----------------------------	----	------

Mod 3		\$	
-------	--	----	--

Mod 4		\$	
-------	--	----	--

Mod 5		\$	
-------	--	----	--

Mod 6		\$	
-------	--	----	--

Mod 7		\$	
-------	--	----	--

Mod 8		\$	
-------	--	----	--

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$60,973.00  
PAID: 60,911.21

Performance Completed: 1 June 1967

Contract CLOSED:

13 Oct 70

**CLOSED**

Refund: \$ 61.79



445	American Nucleonics Corp.	CPFF	a511)
No.	Contractor	Status	Contract Type & Authority

(7 Jun 65 - 7 Mar 66)

SUBJECT:	Analysis of penetration of electromagnetic fields into practical shielded enclosures.	\$ 47,903.00
----------	---	--------------

Capt D.R. Smith

Mod 1	Additional funds for overhead adjustment.	\$ 2,610.00
-------	---	-------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: 2 APR 1969  
To be Destroyed *Jul 73*

\$ 50,513.00

Performance Completed: *21 Apr 66*

Contract CLOSED: *8 May 67*

Refund: \$ *661.82*

446	Applied Theory, Inc.	CPFF a(11)
No.	Contractor	Contract Type & Authority
	(15 Jun 65 - 31 Dec 66)	

**SUBJECT:** Design and perform experiments necessary to achieve a flying plate velocity in excess of 1.5 centimeters per micro-second. \$ 74,890.00

Maj M.E. Barnes - Mr. Lewis

Mod 1	Participation in DASA Summer Study Meeting.	\$ 4,120.00
-------	---	-------------

Mod 2	Additional significant development. Time extension to 31 Mar 67	\$ 25,087.00
-------	--	--------------

Mod 3	Time extension to <del>1 May 68</del> <sup>15 May 1968</sup>	\$ ----
-------	--	---------

Mod 4	Additional funds for cost growth. (OH adj) 70 NWER SB 047 29	\$ 211.74
-------	---	-----------

Mod 5	Funds to cover adjustment in OH 65 NWER SA 001 18	\$ 4,171.72
-------	--	-------------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Sep 72  
To be Destroyed Jul 78

TOTAL: 108,480.46  
PAID 108,268.70

REFUND: 211.76

Performance Completed:

Contract CLOSED:

5 Aug 68

20 Oct 71

**CLOSED**

Refund: \$ 211.76

447

URS Corp.

CPFF (a)SEE (11)

No	Contractor	Status	Contract Type & Authority
	(	(pre-contract fm	)

SUBJECT:

\$

Mod ~~X~~ 9 Additional funds \$ 5,272.00  
 Additional scope EM-1 preparation  
 Time extension: 31 Jan 71

10  
 Mod 2 Continuation of work. \$ 7,113.00  
 71 NWED NB 005 02  
 Time extension to 31 Aug 71

11  
 Mod 3 Time extension to 30 Jun 72 \$ 9,992.00  
 Additional work on EM 1 draft chapter on damage to militray  
 equipaent (72 NWED NA 008 17)

12  
 Mod ~~X~~ Time extension to 31 Oct 72. \$ --

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Scrapped EM: Sep 74  
 Total destroyed Jul 80

Brought Forward

\$

Performance Completed:

31 Oct 72

Total  
PAID\$ 127,670.00  
127,649.46

Contract CLOSED:

CLOSED 17 Jul 74

Refund:

\$ 20.54

URS Corporation  
Contractor

\$

CPFF a(11)

(15 Jun 65 - 30 Jun 66 ) (pre-contract fm )

Contract Type  
& Authority

SUBJECT: Effects of airblast on military equipment  
BSAB

\$ 54,957.00

LTC Christman, SPLN

Mod 1 Time extension to 31 Dec 66

\$ --

Mod 2 More complete product for the Military Field Equipment  
Chapter of DASAL.  
Time extension to 30 Sep 67

\$ 28,400.00

Mod 3 Time extension 31 Oct 67

\$ --

Mod 4 Additional work for the Land and Naval Systems Division

\$ 1,010.00

Mod 5 Perform research studies in connection with air blast effects  
on military equipment  
Extend the scope of its efforts - forest damage.  
Time extension 30 Sep 68

Mod 6 Additional work.  
Time extension to 31 Jan 69.

\$ 9,626.00

Mod 7 Time extension to 31 Jul 69.

\$ --

Mod 8 Change appropriation cited wrongly on Modx 6  
Time extension to 31 Jul 70.

\$ ---

Brought Forward

\$  
\$

Total \$ 127,670.00  
PAID 127,649.46

Refund: \$ 20.54

ance Completed: 31 Oct 72

Contract CLOSED:

**CLOSED**

17 Jul 74

448	Lockheed Aircraft Corp.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(16 Jun 65 - 15 Jun 66)		

SUBJECT: Engineering services and experimental hardware for NATIVE MIST. \$ 282,031.00  
RATH

Capt H.E. Pilcher, WTD

Mod 1 Additional work \$ 49,098.00

Mod 2 Change paying office. \$ ---

Mod 3 Increase scope and add funds to cover delay in program due to strike \$19,000.00  
at NTS. Time extension to 31 Aug 66.

Mod 4 Cost variance on Project NATIVE MIST - \$ 5,498.00

Mod 5 Final OH rates for '65 \$ --

Mod 6 Incorporation of '66 and OH rates \$ ---

Mod 7 \$

Mod 8 \$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL: \$355,625.00  
PAID: \$355,625.00

Performance Completed: 19 Jun 67

Contract CLOSED:

9 Jun 69

**CLOSED**

Refund: \$ -0-

449	Northrop Corp.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(26 Jun 65 - 15 Dec 65)		
SUBJECT:	Design and fabrication of a radiation effects instrumentation trailer.		\$ 784,171.00
RANU			
Lt Col E.J. Willcox, WTD			
Mod 1	Time extension to 18 Jan 66.		\$ ---
Mod 2	Additional funds to cover overrun. Time extension to 30 Jun 66.		\$ 38,547.00
Mod 3	Additional amount of net reimbursable cost which has been determined.		\$ 38,785.54
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$861,503.54

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: Jan 66

Contract CLOSED: 11 March 1969 Closed

Refund: \$- 0 -

450	Varian Associates	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(20 Jun 65 - 31 Oct 66)		
SUBJECT: Extension of Electron Linear Accelerator capability. STMD			\$ 48,746.00

Mr. B. Maury, AFRRI

Mod 1 Termination of contract  
No costs incurred.

\$ ----

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FROEN: 2 APR 1969  
To be Destroyed Jul 73

Performance Completed:

25 Mar 66 (Termination)

Contract CLOSED: 8 Feb 67

Refund: \$ 48,746.00  
(by Mod 1)

451 - 475



451 No.	Stanford Research Institute Contractor (16 Jun 65 - 16 Dec 66)	NP Status	CPFF a(11) Contract Type & Authority
------------	--	--------------	--

SUBJECT: Analysis of FISH BOWL data for late time debris movement. \$ 110,249.00  
RAEL

~~XXXXXXXXXXXXXXXXXXXX~~ Maj A. M. Simko, RAAE

Mod 1 Time extension to 16 Mar 67 \$ -----  
OH rates incorporated

Mod 2 Addt'l costs due to unanticipated size and complexity of \$ 4,041.00  
final report and additional computer time.  
Time extension to 30 April 1967

Mod 3 Overhead rates for FY 66 \$ ---

Mod 4 OH rates for '67 \$ --

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$114,290.00

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Paid: 113,487.19

Performance Completed: 14 Jul 67

Contract CLOSED:

21 Aug 69

**CLOSED**

Refund: \$ 802.81

452	Physics International Company	S	CPFF (a)(11)
No.	Contractor	Status	Contract Type & Authority
	(22 Jun 65 - 22 Feb 66)		
SUBJECT:	Two-dimensional elastic-plastic calculations of shock wave propagation in layered geologic media.		\$ 43,825.00
BSPS			
LCDR I.D. Crowley			
Mod 1	Add predictions of ground shock effects. Time extension to 31 Dec 66		\$ 164,986.00
Mod 2	Modify ELK code; test code, develop automatic data processing routine Time extension to 31 Mar 67.		\$ 40,000.00
Mod 3	Change paying office.		\$ ---
Mod 4	Time extension to 31 May 67		\$ ---
Mod 5	Costs for OH adjustment		\$ 6,500.00
Mod 6	Time extension to 1 Mar 68.		\$ ----
Mod 7			\$
Mod 8			\$
TOTAL:			\$255,311.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: Mar 68

Contract CLOSED: 19 February 1969

**CLOSED**

Refund: \$ 1,083.51

No.	Contractor	Status	Contract Type & Authority
453	American Electronic Laboratories, Inc.	L	CPFF (a)(11)
	(20 Jun 65 - 31 Jan 66)		

SUBJECT: Radiation-hardened EKG telemetry system.

\$ 5,982.00

STMD

Mr. E. Maury, AFRI Capt Stanley, AFRI

Mod 1	Development of electrical stimulator that can be activated by remote transmission. Time extension to 31 Dec 66.	\$ 5,896.00
-------	--	-------------

Mod 2	Time extension to 30 Jun 67	\$ ----
-------	-----------------------------	---------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRGEN: Sep 72  
To be Destroyed Jul 78

TOTAL: \$11,878.00  
PAID: 11,878.00

Performance Completed: 27 Oct 67

Contract CLOSED: 15 Dec 71

Refund: \$ - 0 -

CLOSED

Change to: Sanders Associates, Inc. (23 Jun 67)

454

~~Michras, Inc.~~

S

CPFF a(11)

No.

Contractor

Status

Contract Type  
& Authority

(30 Jun 65 - 30 Sept 66)

SUBJECT: Hypersonic shock interaction study.  
BSAB

\$ 50,840.00

Maj H. Wynne

Mod 1

Time extension to 31 Mar 67

\$ ---

Mod 2

Change of name

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRGEN: Sep 72  
To be Destroyed Jul 78

Performance Completed:

Nov 67

Contract CLOSED:

15 Apr 69

**CLOSED**

Refund: \$

455	Louisiana State University	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority

(1 Jul 65 - 30 Sept 66)

**SUBJECT:** Development of activation analysis methodology and applications in military radiobiology  
**STMD** \$ 45,000.00

Col J.T. Brennan, AFRRRI

Mod 1 Time extension to 15 Nov 66 \$ ----

Mod 2 Time extension to 1 Jul 67 \$ ----

Mod 3 Time extension to 1 Feb 68. \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: Sep 72  
 To be Destroyed Jul 78

TOTAL: \$45,000.00  
 PAID: 45,000.00

Performance Completed:

Contract CLOSED:

Refund: \$ - 0 -

**CLOSED**

15 Jan 68

24 Feb 72

456 No.	Ken O'Brien & Associates Contractor (25 Jun 65 - 24 Jun 66)	SB Status	FP (a)(11) Contract Type & Authority
------------	---	--------------	--

SUBJECT: Research engineering services.  
STWT

\$ 67,500.00

Lt Col C.D. Smith

Mod 1 Additional services ~~and time extension for~~

\$ 14,650.00

Mod 2 Extension of services to 31 Aug 66.

\$ 17,458.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

TOTAL: \$99,608.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

**CLOSED**

Performance Completed: 20 Jun 66

26 Jun 69

Contract CLOSED:

Refund: \$ - 0 -

457 No.	Arthur D. Little, Inc. Contractor	L. Status	Fp a(11) Contract Type & Authority
	(30 Jun 65 - 31 Oct 65)		
SUBJECT: Furnishing copies of NBS references. STMD			\$ 7,420.00

Mrs. A.F. Smith, AFRRI

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 7,420.00

Sent to FRCEN: 2 APR 1969  
To be Destroyed *Jul 72*

Performance Completed: *2 Feb 66*

Contract CLOSED: *10 May 66*

Refund: \$ none

458	Kaman Nuclear	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority

	(1 Aug 65 - 31 Oct 65)		
SUBJECT:	Rewriting of Section 3.7 of DASA 1200 - "Blast Phenomena at High Altitudes of Burst"		\$ 57,535.00

Major ~~K. Wynne~~, Maj Lewis J. Cauthen

Mod 1	time extension to 31 May 66	\$ ---
-------	-----------------------------	--------

Mod 2	Preparation of a state-of-the-art study of ground shock. Time extension to 31 July 1966	\$ 5,130.00
-------	--	-------------

Mod 3	Time extension to 31 Oct 66.	\$ ---
-------	------------------------------	--------

Mod 4	Revise Volumes I and II of DASA-1200 Time extension 15 Mar 68.	\$ 49,870.00
-------	---	--------------

Mod 5	Novation Agreement	\$ ---
-------	--------------------	--------

Mod 6	Time extension to 1 July 68.	\$ ---
-------	------------------------------	--------

Mod 7	Increase scope of work. (FY68 NWER, RLN1061) Time extension to 30 Sep 68.	\$ 5,890.00
-------	---	-------------

Mod 8	Change of name.	\$ ----
-------	-----------------	---------

Mod 9	Time extension to 30 Jun 69.	\$ ---
-------	------------------------------	--------

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$118,425.00  
PAID: 118,425.00

Performance Completed: 30 June 69

Contract CLOSED:

19 Feb 71 **CLOSED**

Refund: \$ - 0 -



459	Technology, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Aug 65 - 31 May 66)		31,200
SUBJECT: Feasibility study of effectiveness of impedance measurements as an index of whole-body radiation damage.			\$ 31,083.00
STMD			

Maj. J.D. Mosely

Mod 1	Time extension to 15 Jul 66.	\$ ---
-------	------------------------------	--------

Mod 2	Extend level of effort through contract completion date (15 Jul 66)	\$ ---
-------	---	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: 2 APR 1969

To be Destroyed *Jul 73*

\$ 31,083.00

Performance Completed: 15 Sep 66

Contract CLOSED: *25 Apr 67*

Refund: \$ none

460 No.	General Electric Company (Oklahoma City) Contractor (12 Jul 65 - 1 Apr 66)	L Status	CPFF a(11) Contract Type & Authority
------------	--	-------------	--

**SUBJECT:** Feasibility study for development of optical/thermal energy recording instrument.  
STMD \$ 5,487.00

LCDR R.M. Garver

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

\$5,487.00

Performance Completed: 4 Mar 66

Contract CLOSED: 16 Dec 68

Refund: \$1.37

461	Moleculon Research Corp.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(27 Jul 65 - 30 Sep 66)		169,851

SUBJECT: Design, fabrication, calibration and readout of polymer dosimeters  
 RATH for NATIVE MIST. \$ 169,022.00

Capt A.O. Paas (Mr. D. MacMillan, Sandia Corp. - Tech Monitor)

Mod 1	Additional work	\$ 27,365.00
-------	-----------------	--------------

Mod 2	Time extension to 31 May 67	\$ —
-------	-----------------------------	------

Mod 3	Costs for adjustment in OH	\$1,415.56
-------	----------------------------	------------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL: \$197,802.56

Sent to FRCEN: Jan 72  
 To be Destroyed Jul 76

Performance Completed: 7 Aug 67

Contract CLOSED: 20 Oct 69

**CLOSED**

Refund: \$ — 0 —



463	Electronic Specialty Company	L	CFF a(11)
	Contractor	Status	Contract Type & Authority
	(29 Jul 65 - 30 June 66)		

JECT: VHF telemetry and trajectory systems. BLUE ROCK 9.6 \$ 531,663.00  
WTD

Capt Wm. Byrd

Mod 1	Additional funds for changed pricing structure (approved by DSAA)	\$ 259,778.00
-------	---	---------------

Mod 2	<del>Additional funds for changed pricing structure (approved by DSAA)</del> additional funds for design & fabrication of ground position of a VHF telemetry & tracking system for BLUE ROCK Project 9.6	\$ 60,715.00
-------	--	--------------

Mod 3	Documentation on the prototype system which has been built and descriptive material on the expanded system concept. Time extension to 30 Nov 66	\$ 94,892.00
-------	---	--------------

Mod 4	Time extension to 15 Apr 67	\$ ---
-------	-----------------------------	--------

Mod 5	Time extension to 1 Jun 67	\$ ----
-------	----------------------------	---------

Mod 6	Additional funds to cover OH adjustment & mathematical error. 73 X22 XYX94401	\$ 2,983.00
-------	--	-------------

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

TOTAL:	\$950,031.00
PAID:	950,031.00

Performance Completed:

1 Jun 67

Contract CLOSED:

13 Feb 73

**CLOSED**

Refund: \$ - 0 -

464	Institute for Behavioral Research, Inc.	SB	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	( 1 Sept 65 - 30 Nov 66)		
SUBJECT: Performance training of rhesus monkeys			\$ 53,934.00
STMD			

Dr. Robert White, AFRRRI

Mod 1	Correct money amount shown in Appropriation block	\$ ---
-------	---	--------

Mod 2	Time extension to 30 Jun 67.	\$ ---
-------	------------------------------	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to ERGEN: *sep 74*  
To be Destroyed *Jul 80*

TOTAL: \$53,934.00

PAID: \$53,934.00

REFUND: \$ -0-

Performance Completed:

Contract CLOSED:

**CLOSED** *12* *10 Apr 74*

Refund: \$

465	Norden (formerly mk:) Vector Manufacturing Company, Inc.	L	CPFF a(11)
	Contractor	Status	Contract Type & Authority
	(2 Aug 65 - 11 Jul 66) (pre-contract fm	)	\$ 507,865.00
SUBJECT:	Airborne radiation hardened VHF FM/FM telemetry and transponder; system for BLUE ROCK Project 9.6		
WTD	LTC Lowell Oder (until 1 Apr 67) - After LTC Joseph W. Linn -JTF-8		
Mod 1	Add to Technical Scope		\$ ----
Mod 2	Time extension to 11 August 66		\$ ---
Mod 3	Incorporate changes in airborne portion of system and provide equipment required for Eclipse Time extension to 31 Dec 66		\$ 79,078.00
Mod 4	Additional effort <del>Time extension</del> Time extension 31 Jul 67		\$ 55,804.00
Mod 5	Increased cost of field support for the VHF Teltrack tests being conducted at Eglin AFB, Florida. Time extension to 31 Aug 67.		\$ 4,790.00
Mod 6	Overhead adjustment.		\$ 37,729.00
Mod 7	Time extension to 13 Mar 68.		\$ --
Mod 8	Costs for OH adjustment.		\$ 34,834.76

Sent to TRAC: May 72  
To be Enclosed Jan 77

Brought Forward

Total PAID: \$ 720,100.76  
719,795.00

REFUND: 305.76

Performance Completed:

13 Mar 68

(31 Aug 70)

**CLOSED**

( Advanced Payment)

6

466	Canadian Defence Research Board	Govt	Cost (a)(31)
	Contractor	Status	Contract Type & Authority
	24 Aug 65 - 30 Apr 67		
SUBJECT: Field support for U.S. projects participating in Operation BSAB DISTANT PLAIN.			\$ 140,000.00

32L  
Capt J. Choromokos (Mr. Chas Kingery - Tech Monitor)

Mod 1	Additional services related to research in connection with a high experimental test series, Operation DISTANT PLAIN.	\$ 17,593.00
-------	--	--------------

Mod 2	Additional field support Time extension to 31 Oct 67.	\$ 56,000.00
-------	--	--------------

Mod 3	Additional support costs.	\$ 9,800.00
-------	---------------------------	-------------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$223,393.00  
Received a refund check SPENT: 201,585.54  
for: \$21,807.46

Performance Completed:

Contract CLOSED:

CLOSED

Refund: \$ 21,807.46



467	General Atomic	L	CPFF a)11)
No.	Contractor	Status	Contract Type & Authority
	(1 Aug 65 - 31 Oct 66)		50,740
SUBJECT: Microwave scattering from a perturbed plasma			\$ 50,740.00
RAEL			

Lt Col C.W. Hulburt

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 50,740.00

Sent to ERCEN: 30 SEP 1969

To be Destroyed Jul 74

Performance Completed: 1 Nov 66

Contract CLOSED: 12 Jun 68

Refund: \$ 376.50

468	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Aug 65 - 16 Aug 67)		
SUBJECT:	DISTANT PLAIN air and earth motion studies. Project 1.02		\$ 193,900.00
BSAB	(special instrumentation) and Project 3.04b (close-in shock studies)		

~~Capt. Chorowakes~~ Maj Lewis J. Cauthen

Mod 1	Additional work scope. Correct completion date to 15 Aug 67.	\$ 6,165.00
-------	---	-------------

Mod 2 BRL	Record 6 channels of instrumentation during DISTANT PLAIN	\$ 2,440.00
--------------	---	-------------

Mod 3	Additional participation in DISTANT PLAIN Time extension to 31 Aug 68.	\$ 251,526.00
-------	---	---------------

Mod 4	DISTANT PLAIN, Event 1A: Close-in Ground Motion Studies Time extension to 31 Oct 68.	\$ 41,727.00
-------	---	--------------

Mod 5	Change Patent Rights Clause.	\$ ----
-------	------------------------------	---------

Mod 6	Time extension to 30 April 1969 and revised reporting requirements.	\$ ---
-------	--	--------

Mod 7	OH rates for '67	\$ --
-------	------------------	-------

Mod 8	Incorporation of OH rates for '68 and '69.	\$ ---
-------	--	--------

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

TOTAL: \$495,758.00  
PAID: 492,283.70

Performance Completed: 30 Apr 69

Contract CLOSED: 17 May 73

Refund: \$ 3,474.30

**CLOSED**

469	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Aug 65 - 31 Oct 66) (pre-contract fm 15 Jun 65)		
SUBJECT:	Study to obtain measurements of the threshold for thermal shock failure in a variety of electronic parts.		\$ 118,929.00
RANU			
Capt Stanley D. Kennedy, AFWL (Capt J.J. McGee, RA - DASA Monitor)			
Mod 1	Prepare trailer recording station.		\$ 77,896.00
Mod 2	Increase in work scope and time extension to 31 Dec 66.		\$ 27,690.00
Mod 3	Time extension to 31 Mar 67		\$ ---
Mod 4	Time extension to 30 Jun 67		\$ ---
Mod 5	Novation agreement		\$ ----
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$224,515.00

Sent to FRCEN: Jan 72  
 To be Destroyed Jul 76

Performance Completed:

31 Jan 69

Contract CLOSED:

22 Sep 69

Refund: \$ 274.59

470 No.	Kaman Nuclear Contractor (9 Aug 65 - 9 Oct 66)	L Status	CPEE a(11) Contract Type & Authority
------------	--	-------------	--

SUBJECT: Technical research services under SUGAR CANE.  
RATH

\$ 53,370.00

Capt A.O. Paas

Mod 1	Attendance of two contractor employees at DASA Summer Study.	\$ 11,080.00
-------	--	--------------

Mod 2	Change overhead basis	\$ ---
-------	-----------------------	--------

Mod 3	Change of name.	\$ ---
-------	-----------------	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRGEN: May 72  
To be Destroyed Jul 77

TOTAL:	\$64,450.00
PAID:	63,308.69

Performance Completed:

Jan 67

**CLOSED**

Contract CLOSED:

Oct 70

Refund: \$ 1,141.31

471	Polaroid Corporation	FP	a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Sep 65 - 31 Aug 66)		

**SUBJECT:** Research studies of the pupillary mechanisms.  
STMD

\$ 32,760.00

LCDR R. M. Garver

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

\$ 32,760.00

Sent to FRCEN: 30 SEP 1969

To be Destroyed Jul 74

Performance Completed: 30 Nov 66

Contract CLOSED:

31 Oct 67

**CLOSED**

Refund: \$ none

472	Kaman Nuclear	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(5 Aug 65 - 31 Oct 66) (pre-contract fm 28 Jun 65)		

SUBJECT: Test instrument development experiment for NATIVE MIST.  
RATH

\$ 66,735.00

Capt A.O. Paas (CDR W.R. Hartman, Spec Proj Off - Tech Monitor)

Mod 1	Increase in scope and certain design changes. Time extension to 31 Dec 66	\$ 9,995.00
-------	--	-------------

Mod 2	Change of name.	\$ ----
-------	-----------------	---------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL:	\$76,730.00
PAID:	<u>-76,222.91</u>

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Performance Completed: 31 Dec 66

Contract CLOSED:

13 Oct 70

**CLOSED**

Refund: \$ 507.09

473	Radiation Service Company		T&M
No.	Contractor	Status	Contract Type & Authority
	(1 Aug 65 - 31 Jul 66)		

SUBJECT: Field engineering services for PICE system under Project 9.09, \$ 22,315.00  
STWT-M BLUE ROCK

Mr. Denzil Rogers, AFWL, WTD.

Mod 1 Additional engineering services and time extension to 31 Jul 67. \$ 22,315.00

Mod 2 Engineering services in connection with data reduction techniques. \$ 23,927.00  
Time extension to 31 Jul 68.

Mod 3 reduction  
Time ~~extension~~ to 30 Jun 68. \$ 2,007.99  
(decrease)

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

SENT TO GREEN: FEB 1977  
To be destroyed Oct 62

TOTAL:	\$66,549.01
PAID	\$66,549.01
REFUND	\$ -0-

formance Completed: 30 June 1968

fact CLOSED:

**CLOSED**

23 Sep 75

Refund: \$

473

The Boeing Company  
ContractorL  
StatusCPFF a(11)  
Contract Type  
& Authority

(1 Sep 65 - 30 Nov 66)

\$ 41,910.00

SUBJECT: Study of nuclear burst phenomena  
RATH

Maj L.C. Logie

Mod 1 Re-word ITEM III

\$ ---

Mod 2 Time extension to 31 Dec 66

\$ ---

Mod 3 Time extension to 4 Feb 67

\$ --

Mod 4 Adjustment for overhead rates

\$ 1,489.00

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: SEP 1975  
To be Destroyed Jul 1981

TOTAL \$ 43,399.00

PAID \$ 42,654.85

REFUNDS 744.15

Performance Completed:

Mar 67

Contract CLOSED:

CLOSED

14 May 75

Refund: \$



475 No.	IIT Research Institute Contractor (1 Sep 65 - 30 Nov 66)	NP Status	CPEF a(11) Contract Type & Authority
------------	--	--------------	--

SUBJECT: Determination of fire conditions supporting room flashover.

\$ 90,664.00

RATH

Mr. J. Snyder

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

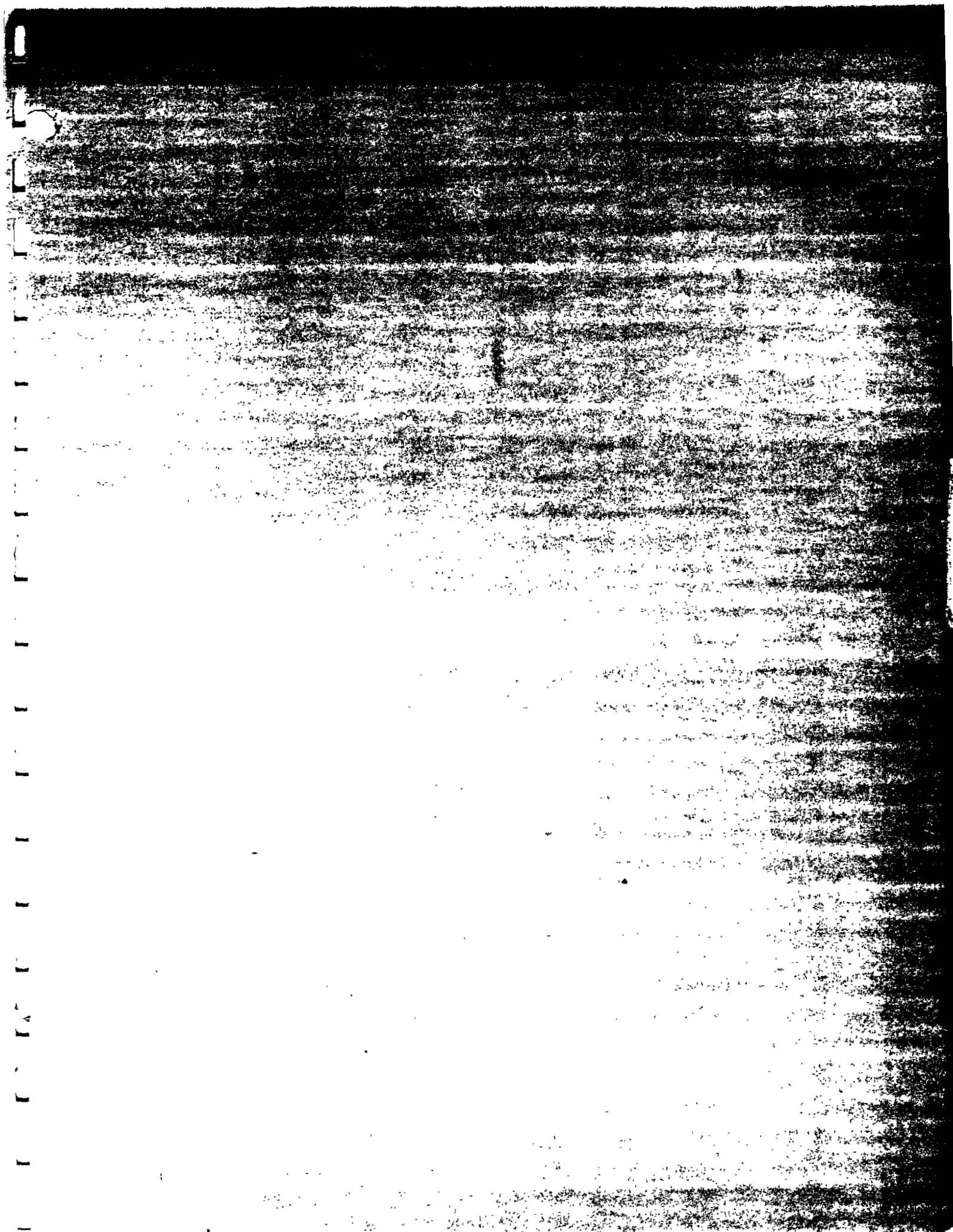
\$ 90,964.00

Sent to FEEN: 30 SEP 1969  
To be Destroyed July 74

Performance Completed: 20 Mar 67

Contract CLOSED: 1 May 68

Refund: \$ 939.67



No	Contractor	Status	Contract Type & Authority
	(1 Sep 65 - 31 Aug 67 )	(pre-contract fm )	

*HS 7 Aug 67*  
**SUBJECT:** Two-dimensional calculations of high explosive cratering experiments, Project 9.05a DISTANT PLAIN \$ 58,150.00

*RB 4 May 67*  
**Mod 1** Change in scope of work \$ --  
 Compute ground shock from a 1.4 MT surface burst on tuff.  
 Time extension to 30 Sep 67

*LP 17 May 68*  
**Mod 2** More computer time than had been anticipated. \$ 4,114.00  
 Time extension to 1 Sep 68.  
 (FY68 NWER, RSS 2047)

*LP 26 Sep 68*  
**Mod 3** Time extension to 1 Mar 69 \$ --

**Mod 4** \$

**Mod 5** \$

**Mod 6** \$

**Mod 7** \$

**Mod 8** \$

Brought Forward

Total \$ 62,264.00

PAID: 62,065.20

Refund: \$ 198.80

Per nce Completed:

Contract CLOSED:

Sent to FRCEN: May 72  
 To be Destroyed Jul 77

**CLOSED**

13 Nov 70

477 No.	The Regents of New Mexico State University Contractor (1 Sep 65 - 31 Jul 66)	E Status	Cost a(11) Contract Type & Authority
------------	--	-------------	--

SUBJECT: Airborne antenna system.  
WTOP (RFQ 1-66)

\$ 57,223.00

Capt Wm. Byrd

Mod 1	Increase in work scope. Time extension to 15 Sep 66.	\$ 13,882.00
-------	---	--------------

Mod 2	Additional technical objectives. Time extension to 15 Oct 66.	\$ 8,451.00
-------	--	-------------

Mod 3	Time extension to 15 Dec 66.	\$ ---
-------	------------------------------	--------

Mod 4	Additional technical objectives. Time extension 30 June 67.	\$ 26,201.00
-------	--	--------------

Mod 5	Time extension to 31 <sup>aug</sup> <del>Jan</del> 67	\$ ---
-------	---	--------

Mod 6	Costs to cover overrun for OH adjustment. Time extension to 30 Nov 67.	\$ 2,612.00
-------	---	-------------

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL: \$108,369.00

Paid 108,368.48

Sent to FRCEN: Jan 72  
To be Destroyed Jul 74

Performance Completed: July 1967

Contract CLOSED:

3 Sep 69

**CLOSED**

Refund: \$ 0.52

478	University of Rochester	E	Cost	a(5)
No.	Contractor	Status	Contract Type & Authority	
	(12 Sep 65 - 10 Jun 66)			
SUBJECT: Instruction of military personnel in "Advanced Course in Nuclear Science for Medical Officers"			\$	Requirements 7,828.00 (est)
OPMT				

Lt Col C.T. Cox

D.O.			
Mod 1	12 Sep 65 - 28 Jan 66 (Fall Session)		\$ 3,308.00

D.O.			
Mod 2	3 Feb 66 - 5 Jun 66 (Spring Session)		\$ 4,260.00

Mod 3			\$
-------	--	--	----

Mod 4			\$
-------	--	--	----

Mod 5			\$
-------	--	--	----

Mod 6			\$
-------	--	--	----

Mod 7			\$
-------	--	--	----

Mod 8			\$
-------	--	--	----

\$ 7,568.00

Sent to FRCEN: 2 APR 1969  
To be Destroyed *Jul 72*

Performance Completed: *12 Jun 66*

Contract CLOSED: 29 *Sep* 66

Refund: \$ 250.00

479 No.	Radiation Research Associates, Inc. Contractor (1 Feb 66 - 31 Jan 67)	SB Status	CPFF a(11) Contract Type & Authority
------------	---	--------------	--

SUBJECT: AFRRI	Computation of depth dose patterns in phantoms exposed to various gamma-ray environments		\$44,290.00
-------------------	---	--	-------------

Mr. C. W. Garrett

Mod 1	Time extension to 1 Aug 67	\$	-----
-------	----------------------------	----	-------

Mod 2		\$	
-------	--	----	--

Mod 3		\$	
-------	--	----	--

Mod 4		\$	
-------	--	----	--

Mod 5		\$	
-------	--	----	--

Mod 6		\$	
-------	--	----	--

Mod 7		\$	
-------	--	----	--

Mod 8		\$	
-------	--	----	--

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

\$44,290.00

Performance Completed:

1 Aug 67

Contract CLOSED:

28 Oct 68

Refund: \$ None

480	TRW Systems Group	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Sep 65 - 31 May 67)		62,788.00
SUBJECT: Shock spectrum measurements, DISTANT PLAIN 3.02b			\$ 42,323.00
BSAB			

Capt J. Choromokos

Mod 1	Participation in Project 3.02b - Event 6	\$ 20,734.00
	Time extension 1 Feb 68	

Mod 2	OH rates for '65, '66 and '67	\$ ---
-------	-------------------------------	--------

Mod 3	Costs to cover OH adjustment	\$ 1,106.80
	72 NWET L21AAXSX302 01	

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL: \$84,628.80
PAID: \$84,628.80

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

**CLOSED**

Performance Completed: 26 Jan 68

Contract CLOSED:

12 Jan 73

Refund: \$ - 0 -

481	EG&G, Inc. (Las Vegas)	L	CPFF 8(11)
	<b>Contractor</b>	<b>Status</b>	<b>Contract Type &amp; Authority</b>
	( 17 Sept 65 - 1 Sep 66 ) (pre-contract fm )		
<b>SUBJECT:</b>	Instrumentation and recording support, Project 9.12, Operation		\$471,465.00
WTOP-R	NATIVE MIST		

1st Lt. David R. Carlson. AFWL

<b>Mod 1</b>	Design and fabricate quartz gauges and furnish time history pressures.	\$ 58,750.00
--------------	--	--------------

<b>Mod 2</b>	Additional funds to keep personnel on payroll during Jan-Feb strike at NTS. Time extension to 30 Jun 67.	\$ 26,700.00
--------------	---	--------------

<b>Mod 3</b>	Funds for adjustment in OH rates.	\$ 8,925.00
--------------	-----------------------------------	-------------

<b>Mod 4</b>		\$
--------------	--	----

<b>Mod 5</b>		\$
--------------	--	----

<b>Mod 6</b>		\$
--------------	--	----

<b>Mod 7</b>		\$
--------------	--	----

<b>Mod 8</b>		\$
--------------	--	----

Sent to FRCEN: Sep 72  
To be Destroyed Jul 76

Brought Forward

<b>Total</b>	\$ 565,840.00
<b>PAID:</b>	565,839.26

Performance Completed:

19 Jun 67  
20 Nov 70

**CLOSED**

REFUND: \$0.74



No.	General Atomic Contractor (1 Oct 65 -31 Dec 66)	L Status	CPFF a(11) Contract Type & Authority
-----	--	-------------	---

**SUBJECT:** Perform measurements of spectra of deep neutron penetration in carbon. \$ 77,468.00

Dr. J. Ferguson, NRDL (Monitor - <sup>Capt. R. Eng</sup> ~~Mr. W. A. Albente~~, RANU)

Mod 1	Continuation of research on Subtask 11.069 Time extension to 31 Dec 67	\$ 83,588.00
-------	---	--------------

Mod 2	Additional deep neutron penetration measurements.  Time extension to 28 Feb 69	\$ 127,902.00
-------	--	---------------

Mod 3	Novation Agreement	\$ ---
-------	--------------------	--------

Mod 4	Time extension to 15 May 69.	\$ ---
-------	------------------------------	--------

Mod 5	Novation Agreement	\$ ---
-------	--------------------	--------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$288,958.00  
PAID: 288,958.00

Performance Completed:

Contract CLOSED:

1 July 69  
25 Feb 71

**CLOSED**

Refund: \$ - 0 -

483 No.	Cornell Aeronautical Laboratory, Inc. Contractor (25 Oct 65 - 24 Jan 67)	NP Status	CPFF a(11) Contract Type & Authority
------------	--	--------------	--

<b>SUBJECT:</b> RAEL	Study of various metastable energy states of oxygen and their reactions. <i>(One Delta &amp; State of Molecular Engg.)</i>		\$ 39,965.00
-------------------------	--	--	--------------

Dr. C.A. Blank

Mod 1	Extension of Proj Mobsox: Study of the Products Produced by a Microwave Discharge in Oxygen using the Technique of Molecular Beam Magnetic Resonance. Time extension to 5 Apr 68.		\$ 56,103.00
-------	--	--	--------------

Mod 2			\$
-------	--	--	----

Mod 3			\$
-------	--	--	----

Mod 4			\$
-------	--	--	----

Mod 5			\$
-------	--	--	----

Mod 6			\$
-------	--	--	----

Mod 7			\$
-------	--	--	----

Mod 8			\$
-------	--	--	----

TOTAL: \$96,068.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: 11 Apr 68

Contract CLOSED:

21 Apr 69

Refund: \$ 676.82

484	LFE Corp., Trapelo Division Tracerlab (formerly) Contractor (6 Oct 65 - 30 Jun 66)	L Status	CPFF a(11) Contract Type & Authority \$ 96,760.00
-----	---	-------------	--

SUBJECT: Particle analysis of nuclear debris from surface and near-surface bursts.  
RANU

*CDR Wagner, RARP*  
Dr. E.C. Freiling, NRDL (LCDR J.W. Cane, RANU - Monitor)

Mod 1	Funds to cover overrun. Time extension to 31 Aug 66	\$ 7,490.00
-------	--	-------------

Mod 2	Additional research under contract Time extension 31 Dec 67	\$ 86,400.00
-------	--	--------------

Mod 3	Additional analysis work Time extension to 30 Oct 68.	\$ 23,180.00
-------	--	--------------

Mod 4	Time extension to 1 May 69	\$ ----
-------	----------------------------	---------

Mod 5	Navation Agreement.	\$ ---
-------	---------------------	--------

Mod 6	Increase in Allowable Cost FY68 NWER A PD069 01	\$ 13,795.24
-------	--	--------------

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: SEP 1975  
To be Destroyed Jul 1981

TOTAL \$227,625.24  
PAID \$227,625.24

REFUNDS -0-

Performance Completed:

Contract CLOSED:

*14 April 74*  
**CLOSED** 13 Sep 74

Refund: \$

485 No.	Lovelace Foundation Contractor (5 Oct 65 - 28 Feb 67)	E Status	Cost a(5) Contract Type & Authority
------------	---	-------------	---

SUBJECT: Biomedical studies, DISTANT PLAIN Project 4.01  
BSAB

\$ 32,000.00

Maj J. Terry (STMD)

Mod 1 Time extension to 30 Jun 67

\$ ----

Mod 2 Time extension to ~~1 Jan 68~~ 30 Jun 68.

\$ ---

Mod 3 Change "audited" to "negotiated" clause - OH rates for '66 & '67

\$ ---

Mod 4 Incorporation of 1968 OH rates.

\$ ----

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
To be Destroyed Jul 79

TOTAL: \$32,000.00  
PAID: 29,905.16

Performance Completed: 27 Dec 67

Contract CLOSED:

19 May 71

**CLOSED**

Refund: \$ 2,094.84

486-13  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

486	General Atomic	LB	CPFF (a)(11)
No.	Contractor	Status	Contract Type & Authority
	(21 Oct 65 - 31 Dec 66)	(pre-contract fr: 1 Oct 65)	
<b>SUBJECT:</b>	Research on plasma turbulence and application of the results to nuclear weapons effects.		\$ 245,567.00
	LTC C. C. Reynolds, RAEL <del>Capt Smith, DARE</del>		
Mod 1	Continued research on plasma dynamics, relating to high altitude nuclear weapon phenomenology. Time extension to 31 Dec 67.		\$ 200,000.00
Mod 2	Increase the level of effort		\$ 87,800.00
Mod 3	Novation agreement		\$ ----
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

TOTAL: \$533,367.00

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed: 31 Dec 1967

Contract CLOSED: 8 Jul 69

CLOSED

Refund: \$ - 0 -

487	URS Corporation	CPFF a(11)
No.	Contractor	Status
	(8 Oct 65 - 31 May 67) (pre-contract from: 15 Apr 65)	Contract Type & Authority

SUBJECT: Dynamic response of trees, Operation DISTANT PLAIN.  
BSAB \$ 54,720.00

Capt C. Choromokos

Mod 1 Additional work and funds to cover unanticipated travel. \$ 8,429.00

Mod 2 Add government-furnished property \$ --

Mod 3 Overrun costs \$ 9,485.00

Mod 4 Time extension to 31 Jul 68. \$ ----

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$72,634.00  
PAID: 72,634.00

Performance Completed: 1 Jul 69

Contract CLOSED:

4 Jun 71

**CLOSED**

Refund: \$ - 0 -

488	Edgerton, Garmeshausen & Grier, Inc. (Las Vegas)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(11 Oct 65 - 31 Dec 65)		

SUBJECT: DRILL STEM  
STWT

\$ 56,350.00

Lt Col B. Collens

Mod 1	Additional work (Phase II) Time extension to 31 Aug 67	\$ 216,330.00
-------	---	---------------

Mod 2	Funds for overrun costs, schedule slippage and work scope revision. Time extension 31 Aug 68.	\$ 67,614.00
-------	--	--------------

Mod 3	Problems not anticipated in fielding experiments. Time extension to 31 May 69.	\$ 40,369.00
-------	---	--------------

Mod 4	Analyze passive experimentation of RUSSET/DRILL STEM. Time extension to 31 Dec 69.	\$ 31,282.00
-------	---	--------------

Mod 5	Time extension to 1 Aug 70.	\$ ---
-------	-----------------------------	--------

Mod 6	Time extension to 1 Nov 70.	\$ ---
-------	-----------------------------	--------

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

FEB 1977

30 Nov 70 Destroyed Oct 82

TOTAL \$411,945.00  
PAID \$404,431.37

REFUND \$ 7,513.63

Performance Completed:

Contract CLOSED:

CLOSED 19 Feb 76

Refund: \$

489 Lewis Associates, Inc.  
No. Contractor  
(13 Oct 65 - 31 Jan 66)

S  
Status

FP a(10)  
Contract Type  
& Authority

SUBJECT: Physiological telemetry system.  
AFRRI

\$ 9,760.00

Mr. B. Maury

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 9,760.00

Sent to GREEN: 2 APR 1969  
To be Destroyed *Jul 73*

Performance Completed: *19 Jan 66*

Contract CLOSED: *17 Aug 66*

Refund: \$ 47.80



490	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	( 15 Oct 65 - 15 Jul 66)		
SUBJECT: Development of LYTT			\$ 149,800.00

WTD

~~LCR For Ex Overhead~~ Maj Oblinger, TC

Mod 1	Additional tasks	\$ 19,782.00
-------	------------------	--------------

Mod 2	Experimental and theoretical heat sink investigations essential to low yield test techniques. Project 9.12, Operation NEAT FOX. Time extension to 15 Aug 66	\$ 59,366.00
-------	---	--------------

Maj J.B. Doss

Mod 3	Time extension to 31 Oct 66.	\$ ---
-------	------------------------------	--------

Mod 4	Additional work and time extension to 31 May 67.	\$ 127,327.00
-------	--	---------------

Mod 5	Time extension to 31 Jul 67	\$ ---
-------	-----------------------------	--------

Mod 6	Novation agreement	\$ ----
-------	--------------------	---------

Mod 7	Time extension to 28 May 1968	\$ ----
-------	-------------------------------	---------

Mod 8		\$
-------	--	----

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL: \$356,275.00

Paid 344,760.81

Performance Completed:

30 May 68

Contract CLOSED:

3 Sep 69

**CLOSED**

Refund: \$ 11,514.19

491 No.	University of Hawaii Contractor	E Status	Open End Contract Type & Authority NOT TO EXCEED \$ 6,000.00
(5 Nov 65 - 10 Dec 65)			
SUBJECT: Lease of computer time.			
JTF-8			

*Lt Col Korn*

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

NOT TO EXCEED	\$ 6,000.00
---------------	-------------

Sent to FRCEN: 2 APR 1969  
To be Destroyed *Jul 72*

Performance Completed: *10 Dec 65*

Contract CLOSED: *1 Feb 67*

Refund: \$ 4,392.32

492	Lockheed Aircraft Corporation	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	21 Oct 65 - 31 Dec 65		
SUBJECT:	MIDI-MIST Phase 1 engineering, design, and development		\$ 228,350.00
WTB			

CDR R. C. Holmes (Mr. J.L. Res, Sandia Corp - Tech Monitor)

Mod 1 Time extension to 31 Jan 66 \$ ----

Mod 2 Final OH rates for FY 65 and 66. \$ ----

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$228,350.00

PAID: 226,778.92

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed:

31 Oct 67

Contract CLOSED:

24 Feb 70

**CLOSED**

Refund: \$ 1,571.08

493	Physics International Company	CPFF a(11)
No.	Contractor	Contract Type & Authority
	1 Nov 65 - 31 Dec 66	

SUBJECT: Systematic survey for nuclear weapons effects phenomenology  
RATH

\$75,521.00

Maj L.C. Logie

Mod 1	Time extension to 28 Feb 67	\$ ---
-------	-----------------------------	--------

Mod 2	Time extension to 30 Apr 67	\$ ---
-------	-----------------------------	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL:	\$75,521.00
PAID:	75,067.02

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed: 15 May 67

Contract CLOSED:

29 Jun 70

**CLOSED**

Refund: \$ 453.98

494	St. Louis University	E	Cost	a(5)
No.	Contractor	Status	Contract Type & Authority	
	(1 Nov 65 - 31 Oct 66)			
SUBJECT: Analysis of telemetry records from Explorers IV and VII and Rael Injun satellites.			\$	37,138.00
Lt Col C.W. Hulburt				
Mod 1	Time extension to 1 Dec 66		\$	---
Mod 2	Additional research concerning telemetry records. Time extension 28 Feb 68		\$	63,840.00
Mod 3	Continuation of analysis of geomagnetically trapped radiation data Time extension to 31 May 69.		\$	45,627.00
Mod 4	Time extension to 31 Aug 69.		\$	---
Mod 5			\$	
Mod 6			\$	
Mod 7			\$	
Mod 8			\$	

TOTAL: \$146,605.00  
PAID: 145,582.22

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Performance Completed:

Contract CLOSED:

**CLOSED**

Refund: \$ 1,022.78

3 July 69  
26 Aug 70

495	General Applied Science Laboratories, Inc.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Nov 65 - 31 Jul 66)		

SUBJECT: Upper atmosphere ionization - a comparative study of effects  
RAEL due to hypersonic re-entry wakes and nuclear detonations.

\$ 45,218.00

Dr. C. A. Blank

Mod 1 Time extension to 15 Sep 66.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

TOTAL: \$45,218.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed:

25 Oct 66

Contract CLOSED:

3 Sep 68

Refund: \$ 535.94

496	Isotopes, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Oct 65 - 31 Dec 65)	<del>31 Jan 62</del>	

SUBJECT: Air sampling, Project LONG SHOT 9.11 Rad-Safety  
WTOP

\$ 36,800.00

Maj J. B. Doss

Mod 1	Additional funds for adj on OH rates ARPA Order 172, Amdn #45 1965 \$130 1966 \$64 1969 \$4,944	\$ 5,138.00
-------	---	-------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL:	\$42,038.00
PAID:	42,038.00

Performance Completed:

21 Jan 66

Contract CLOSED:

8 Apr 71

**CLOSED**

Refund: \$ - 0 -

497	General Electric Company (Space Sciences Lab)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Nov 65 - 31 Jan 67)		

**SUBJECT:** Preparation of a reaction rate handbook and analysis of reaction rates of atmospheric species. **\$ 99,979.00**

**RAEL**

Dr. C.A. Blank

**Mod 1** Completion of, Revision of, and Addition to the DASA Reaction Rate Handbook and Supporting Analytical & Experimental Work Designed for its Improved Application **\$ 105,613.00**  
Time extension to 15 May 68

**Mod 2** Time extension to 30 Jun 68 **\$ --**

**Mod 3** Further revision and updating of Handbook. Time extension to 15 Dec 69. **\$ 79,181.00**  
(FY 69 NWER, HD 010)

**Mod 4** Funds to cover OH adjustments. **\$ 4,873.00**  
72 NWER HD 010 05

**Mod 5** **\$**

**Mod 6** **\$**

**Mod 7** **\$**

**Mod 8** **\$**

SEP 1975

Sent to FRCEN:

To be Destroyed

TOTAL \$ 289,646.00

PAID \$ 289,642.00

REFUND\$ 4.00

Performance Completed:

Contract CLOSED:

**CLOSED**

13 Apr 74



498	Edgerton, Germeshausen & Grier, Inc. (Las Vegas)	L	CPFF a(11)
	Contractor	Status	Contract Type & Authority
	(1 Dec 65 - 30 Nov 66)		

SUBJECT: Maintenance and field support of eight DASA-owned mobile instrumentation facilities. \$ 256,590.00

LTC Roley, TC  
~~Maj R.M. Grimsdale~~ (1st Lt H.L. Meadows, WTOP - Tech Monitor)

Mod 1	Lessing of 3 commercial vehicles for use in administering subject contract.	\$ 277,140.00
-------	---	---------------

Mod 2	Equipment Maintenance. Time extension to 30 Nov 67	\$ 799,980.00
-------	---	---------------

Mod 3	Costs for overrun and estimate for a 3-month extension Time extension 29 Feb 68	\$507,086.00
-------	--	--------------

Mod 4	Continuation of maintenance & support work at NTS. Time extension to 30 Apr 68.	\$226,454.00
-------	--	--------------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FROEN: FEB 1977  
 To be Destroyed Oct 62

Performance Completed: 30 apr 68

Contract CLOSED:

**CLOSED** 29 apr 76

TOTAL: \$2,067,250.00  
 PAID \$2,042,478.71

Refund: \$ 24,771.29

499	Research Triangle Institute	NP	CPEE a(11)
No.	Contractor	Status	Contract Type & Authority
	(22 Nov 65 - 28 Feb 67)		
SUBJECT:	Initial radiation spectra definition		\$ 34,918.00
RANU			
Maj W. A. Alfonte			
Mod 1	Time extension to 31 May 67		\$ -----
Mod 2	Time extension to 30 Jun 67		\$ ---
Mod 3	OH rates for FY's '66 and '67.		\$ --
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 34,918.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: 26 Jun 67

Contract CLOSED: 25 Nov 68

CLOSED

Refund: \$ none

500	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Dec 65 - 31 Dec 66)		

SUBJECT: Investigation of x-ray interaction problems.  
RATH

\$ 79,350.00

Capt A.O. Paas

Mod 1	Time extension to 1 Jun 67	\$ ----
-------	----------------------------	---------

Mod 2	Time extension to 30 Sep 67	\$ ----
-------	-----------------------------	---------

Mod 3	Novation agreement	\$ ---
-------	--------------------	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL: \$79,350.00

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed: 15 Sep 67

Contract CLOSED:

9 Jul 69

**CLOSED**

Refund: \$ 4,664.27

501 - 525

501	National Engineering Science Company	\$ 8	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(29 Nov 65 - 31 Dec 66)		

SUBJECT: Theoretical studies pertaining to water waves.  
BSNE

\$ 74,883.00

Dr. K. H. Olsen, LASL (AEC)

Mod 1 Novation agreement

\$ ---

Mod 2 Additional funds for overrun due to adj in OH

\$ 8,385.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

TOTAL: \$83,268.00  
PAID: 83,193.34

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed: 31 Jan 67

Contract CLOSED:

28 Apr 70

**CLOSED**

Refund: \$ 74.66

502	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Dec 65 - 31 Nov 66)		

SUBJECT: Development of a hardening example for the TREE Handbook.  
RANU

\$ 46,805.00

Capt A.V. Polk

Mod 1 Time extension to ~~20 Sep 66~~ 31 Jan 67.

\$ ---

Mod 2 Time extension to 30 Apr 67

\$ ----

Mod 3 Time extension to 25 Aug 67

\$ ---

Mod 4 Novation agreement

\$ ---

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

TOTAL: \$46,805.00

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed: 27 Aug 67

Contract CLOSED:

23 Jul 69

**CLOSED**

Refund: \$ 549.69

503	Ken O'Brien & Associates		Open End
No.	Contractor	Status	Contract Type & Authority
	(1 Dec 65 - 30 Jun 66)		NTE
SUBJECT: Research and engineering services required at WTD			\$ 8,500.00
WTD			

*Drummond*  
Maj W. Provance

Mod 1	Time extension to 31 Jul 66.	\$
Mod 2	Time extension to 31 Aug 66	\$
Mod 3	Funds to cover change in status of mining engineer from TDY to PCS	\$ 800.00
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: *Sep 72*  
To be Destroyed *Jul 78*

Performance Completed: *31 Aug 66*

Contract CLOSED:

*16 May 69*

**CLOSED**

Refund: \$ 205.26

504	URS Corporation		CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(7 Dec 65 - 7 Sep 66) (pre-contract fm 15 Nov 65)		

SUBJECT:	Revisions and additions to DASA-1200 "Nuclear Weapons Blast	\$ 31,500.00
BSNE	Phenomena	

Mr. J.F. Moulton

Mod 1	Time extension to 31 Dec 66.	\$ ---
-------	------------------------------	--------

Mod 2	Time extension to 31 Dec 67.	\$ ----
-------	------------------------------	---------

Mod 3	Time extension to 30 <sup>April</sup> <del>March</del> 68	\$ ----
-------	---	---------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL:	\$31,500.00
PAID:	<u>31,500.00</u>

Sent to FREEM: May 72  
To be Destroyed Jul 77

Performance Completed: 1 Jan 69

Contract CLOSED: 24 Aug 70

Refund: \$ - 0 -



505	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(13 Dec 65 - 30 Sept 67) (pre-contract fm: 18 Nov 65)		

SUBJECT: Development and application of pellet and plasma impact  
 WTOP-B instrumentation (DRILL STEM) \$ 158,828.00

Lt Col B.H. Collins

Mod 1 Additional scope of work \$ 69,304.00  
 Time extension to 31 Dec 67

Mod 2 Novation agreement. \$ ---

Mod 3 Continuation of analysis and interpretation of data from the GGA \$86,442.00  
 experiment.  
 Time extension to 31 Mar 69.

Mod 4 Additional scope of work \$ 55,262.00  
 Time extension to 1 Jun 70.

Mod 5 Novation Agreement. \$ ---

Mod 6 Time extension to 30 Apr 73 \$ ---

Mod 7 \$

Mod 8 \$

Sent to ERGEN: FEB 1977

To be Destroyed Oct 62

TOTAL \$369,836.00  
 PAID \$369,836.00

-0-

Performance Completed:

Contract CLOSED:

**CLOSED**

30 Apr 73  
 19 May 76

Refund: \$

506	Cook Electric Company	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority

(20 Dec 65 - 12 Mar 66)

SUBJECT: Preparation of status report for BLUE ROCK 9.3.

\$ 26,964.00

WED

Maj D F Lemmons

Mod 1 Time extension to 30 Jun 66.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$26,964.00  
PAID: 26,964.00

Performance Completed: 22 Jul 66

Contract CLOSED:

21 Apr 71 **CLOSED**

Refund: \$ - 0 -

507	Lockheed Aircraft Corp.	L	CPEF a(11)
No.	Contractor	Status	Contract Type & Authority
	(3 Jan 66 - 31 Dec 66)		

SUBJECT: DOUBLE PLAY 9.13  
WTOP-DP

\$959,661.00

Lt Col B. Grote

Mod 1	Additional engineering services for DOUBLE PLAY	\$ 19,701.00
-------	---	--------------

Mod 2	Time extension to 15 Aug 67	\$ ---
-------	-----------------------------	--------

Mod 3	Incorporation of <sup>66 and</sup> '67 OH rates	\$ ---
-------	---	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Sep 72  
To be Destroyed Jul 78

TOTAL:	\$979,362.00
PAID:	972,111.84

Performance Completed:

2 Jun 67

Contract CLOSED:

28 Jul 71

**CLOSED**

Refund: \$ 7,250.16

508 No.	Paul Weidlinger Contractor	S Status	CPFF Contract Type & Authority
------------	-------------------------------	-------------	-----------------------------------

- 31 Jul 67

SUBJECT: Calculation of stress and motion field in ground resulting from  
BS55 a nuclear detonation.

\$148,005.00

*2003465*  
LCDR I.D. Crowley *It jg Rosenberg*

*2003465*  
Mod 1 Concentration on free-field ground shock in relation to AF systems \$103,077.00  
Analytic study of close-in effects from a nuclear explosion in  
shallow depth-large range areas.

*2003465*  
Mod 2 For payment of partial computing costs. \$ 9,900.00

*2003465*  
Mod 3 NWER Subtask RSS2047 (FY68)  
Perform analytic studies of close-in effects from nuclear explosions. \$150,040.00  
Time extension to 28 Feb 69.

*2003465*  
Mod 4 Time extension to 31 Jun 69. \$ ---

Mod 5 Time extension to 15 Mar 70. \$ ---

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$411,022.00  
PAID: 411,004.64

Performance Completed:

Contract CLOSED:

*8 Apr 70*  
*25 Nov 70* **CLOSED**

Refund: \$ 17.36

509

313

General Electric Company (Phila)

L

CPFF a(11)

No.

Contractor

Status

Contract Type  
& Authority

1 Feb 66 - 31 Oct 66

SUBJECT: Structural effects of shock interaction phenomena.  
BSAB

\$ 53,454.00

Mr. M.J. Rubenstein

Mod 1	Assess potential re-entry vehicle system implications of blast wave- bow shock interaction phenomena Time extension to 15 May 67.	\$ 72,790.00
-------	---	--------------

Mod 2	Time extension to 15 Jun 67	\$ ----
-------	-----------------------------	---------

Mod 3	Incorporation of OH rates for 1966 and 1967	\$ ---
-------	---	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed: Jul 77

TOTAL:	\$126,244.00
PAID:	124,381.07

Performance Completed:

9 Jun 67

Contract CLOSED:

→ apr 71

**CLOSED**

Refund: \$ 1,862.93

510 No.	Cubic Corp. Contractor	LB Status	CPFF a(11) Contract Type & Authority
	90 Dec 65 - 30 Sep 66)		

SUBJECT: Operational study of Ship/Aircraft Locating Equipment (SALE)  
WTD

\$ 42,611.00

Project Officer: LTC Oder

LCDR A. Rockman

Mod 1	To determine the optimum method of discrimination and/or elimination of the sky-wave interference in the SALE System Time extension to 28 Feb 67. Project Officer - LTC Oder	\$ ----
-------	--	---------

Mod 2	Time extension to 30 Oct 67	\$ ---
-------	-----------------------------	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL: \$42,611.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: 16 Oct 67

Contract CLOSED:

10 June 69

**CLOSED**

Refund: \$ 57.47

511	Union Carbide Corp.	CPFF	a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 66 - 31 Jul 67)		

SUBJECT: Low-energy photoelectric cross section calculations.  
RATH \$ 91,446.00

Capt A. O. Paas

Mod 1	Funds to provide for attendance of principal investigator at DASA Summer Study, Time extension to 30 Sept 67.	\$ 5,837.00
-------	--	-------------

Mod 2	Time extension to 30 Jun 68.	\$ ---
-------	------------------------------	--------

Mod 3	Time extension to 15 Oct 68.	\$ ---
-------	------------------------------	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL: \$97,283.00

PAID: 97,283.00

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed: May 68

Contract CLOSED:

14 Jan 70

**CLOSED**

Refund: \$ -0-

512 No.	IIT Research Institute Contractor (15 Jan 66 - 15 Apr 67)	NP Status	CPFF a(11) Contract Type & Authority
------------	---	--------------	--

SUBJECT: Development of gage to measure extreme pressures generated in  
BSPS close-in region of a nuclear burst. \$ 78,994.00

~~Capt. Lewis J. Cauthen, Jr.~~ Maj Lewis J. Cauthen, Jr., SPLN

Mod 1	Determination of gage calibration data.	\$ 9,700.00
-------	---	-------------

Mod 2	Irradiation and Electromagnetic Pulse Study of IITRI High-Pressure Gage. Time Extension to 15 Feb 68.	\$ 22,227.00
-------	--	--------------

Mod 3	Time extension to 30 Nov 68.	\$ ----
-------	------------------------------	---------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

overrun not claimed: \$125.66

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL:	\$110,921.00
PAID:	<u>110,921.00</u>

Performance Completed: 26 Dec 68

Contract CLOSED: 6 Apr 71

**CLOSED**

Refund: \$ - 0 -



513	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(13 Jan 66 - 13 Apr 67)		

SUBJECT:	Updating semiempirical ground motion prediction methods and reprocessing of geoplosics data	\$ 99,188.00
BSPS		

Capt T.E. O'Brien

Mod 1	Provide analytical, technical review and other reporting services for specialized study	\$ 9,185.00
-------	---	-------------

Mod 2	Time extension to 13 Jan 68	\$-----
-------	-----------------------------	---------

Mod 3	Overhead rates for FY 66	\$ ---
-------	--------------------------	--------

Mod 4	Reduction of original scope of work. Time extension to 13 June 1968.	\$ ---
-------	---	--------

Mod 5	Time extension to 28 Feb 69.	\$ ---
-------	------------------------------	--------

Mod 6	OH rates for '67	\$ ----
-------	------------------	---------

Mod 7	Incorporation of OH rates for '68 and '69.	\$ ---
-------	--	--------

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$108,373.00  
PAID: 108,259.20

Performance Completed: 15 Apr 69

Contract CLOSED:

13 July 70

**CLOSED**

Refund: \$ 113.80

514	Newmark, Hansen and Associates	FP	a(11)
No.	Contractor	Status	Contract Type & Authority
	( 25 Mar 66 - 31 May 67)	(Pre-cont costs fr: 1 Jan 66)	
	of portions		
SUBJECT:	Revision/of TM 23-200, "Capabilities of Nuclear Weapons" concerned		\$ 41,350.00
BSPS	with protective structures.		

Maj F.H. Hnek

Mod 1	Report concerning survival of hardened military systems to ground shock.	\$ 9,900.00
-------	--	-------------

Mod 2	Change routing of invoices for progress payments from Auditor to Contracting Officer	\$ ---
-------	--	--------

Mod 3	Engineering services required for an appraisal of the High Explosive Simulation Technique (HEST).	\$ 5,280.00
-------	---	-------------

Mod 4	Time extension to 30 Sep 67	\$ ---
-------	-----------------------------	--------

Mod 5	Extension to 15 Apr 68.	\$ ----
-------	-------------------------	---------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

\$56,530.00

Sent to ERGEN: 30 SEP 1969

To be Destroyed Jul 74

Performance Completed:

13 Mar 68

Contract CLOSED:

25 Jun 68

Refund: \$ none

515	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority

(15 Jan 66 - 31 Dec 66)

SUBJECT: X-Ray Flux and Spectral Measurements, DOUBLE PLAY 8.3.  
WTD

\$ 243,791.00

~~EX-101-2, 101-3, 101-4~~ Maj J. B. Oblinger. (PO) Mr. Kennel, Aerospace Corp. (Tech Director)

Mod 1	Diagnostic experiment for DOUBLE PLAY 8.12.	Mod 1: add \$76,640.00	\$ 69,840.00
		Revised Mod 1: decrease 6,000.00	

Mod 2	Pinhole camera experiment.		\$ 11,777.00
-------	----------------------------	--	--------------

Mod 3	Continuation to perform calculations in an attempt to correlate test results on dosimetry & flux measurements for GUM DROP and DOUBLE PLAY. Time extension to 31 Mar 67		\$ 32,726.00
-------	--	--	--------------

Mod 4	Time extension to 31 May 67		\$ ---
-------	-----------------------------	--	--------

Mod 5	Time extension to 17 Jul 67. OH rates for FY66		\$ --
-------	---	--	-------

Mod 6	OH rates for '67		\$ ----
-------	------------------	--	---------

Mod 7			\$
-------	--	--	----

Mod 8			\$
-------	--	--	----

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL:	\$ 358,134.00
Paid:	357,916.94

Performance Completed: 27 Jun 67

Contract CLOSED:

22 Jan 70

**CLOSED**

Refund: \$ 217.06

516

Lockheed Aircraft Corp.

L

CPFF a(11)

Contractor

Status

Contract Type  
& Authority

( 8 Feb 66 - 31 Mar 67 ) (pre-contract fm 21 Jan 66 )

SUBJECT: MIDI MIST Phase II Engineering, Design and Development  
WTD

\$2,543,678.00

CDR R. C. Holmes

Mod 1

Additional work - MIDI MIST/DRAGON MIST

\$ 60,068.00

Mod 2

Phase III

\$ 519,658.00

Time extension 30 Jun 67.

Fabricate pipe systems, samples holders and make design mod.

Mod 3

Closed Circuit TV System for Monitory Nuclear Test Effects .

\$ 130,886.00

RATH

Amendment to the scope of work (MIDI MIST)

\$ 236,046.00

Mod 5

Testing of the MIDI MIST sample protection doors

\$ 466,066.00

Changes to the scope of work

Time extension to 31 Dec 67

Mod 6

Revision : Operation MIDI MIST

\$ 213,371.00

Mod 7

Contract Redirection- to HUDSON SEAL program

- \$ 387,243.00  
(decre)

Time extension to 31 Jan 68.

Mod 8

Incorporation of '67 rates

\$ ---

Sent to FRCEN: Aug 74

To be Destroyed Jul 79

Brought Forward

Total

Performance Completed: 6 Feb 68 (1 Dec 72)

CLOSED

cont on  
page 2

Lockheed  
Contractor

Status  
(pre-contract in )

Contract Type  
& Authority

SUBJECT:

\$

Mod 9  
Mod 1 Change in fee withholding provisions

\$

Mod 10  
Mod 2 Underrun o--decrease funds.

- \$ 50,000.00(decrease

Mod 11  
Mod 3 Incorporation of OH rates for 1968

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Total \$ 3,729,530.00

PAID: 3,713,928.78

Refund: \$ 15,601.22

Performance Completed:

6 Feb 68

Contract CLOSED:

1 Dec 72

CLOSED

517 No.	Isotopes, Inc. Contractor (1 Feb 66 - 31 Jul 67)	Status	CPFF a(11) Contract Type & Authority
SUBJECT: Detection of gaseous nuclides in surface air generated by under- ARPA ground detonations (PINOCCHIO VELA)			\$ 2,484,495.00
Mod 1	Change in Reimbursement for travel.		\$ ---
Mod 2	Procurement of 160 nickel plated cylinders and spare parts for use in storing and shipping air samples.		\$ 45,832.00
Mod 3	Additional work Time extension 31 Jan 68.		\$1,047,405.00
Mod 4	Additional research in connection with the pre-loft tracer experiment.		\$ 59,200.00
Mod 5	Continuation of the Vela On-Site Inspection Program Time extension to 31 Dec 68.		\$ 724,984.00
Mod 6	Additional funds to cover OH adjustments. ARPA No. 814; Amend # 9		\$ 57,092.00
Mod 7			\$
Mod 8			\$

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

TOTAL:	\$4,419,008.00
PAID:	4,418,279.00
REFUND:	729.00

Performance Completed:

Contract CLOSED:

31 Dec 68  
16 May 73  
CLOSED

## Service Co.

518	Lockheed Aircraft Corp.	L	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(24 Jan 66 - 20 Jul 66)		

SUBJECT: Five instrumented vans.  
WTD

\$ 241,554.00

Maj Griswold

Mod 1 Additional work scope.

\$ 22,681.00

Mod 2 Additional costs caused by late delivery of government furnished air conditioner units.

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 264,235.00

Sent to FRCEN: 2 APR 1969

To be Destroyed Jul 73

Performance Completed:

1 Nov 66

Contract CLOSED:

23 Feb 67

Refund: \$ none

519	Newmark, Hansen & Associates	S	EP a(11)
No.	Contractor	Status	Contract Type & Authority

SUBJECT: BSPTS	Feasibility study for development of a protective structure system that is resistant to high levels of ground shock intensity		\$ 41,410.00
----------------	---	--	--------------

Maj F. H. Henk

Mod 1	Change routing of invoices for progress payments from Auditor to Contracting Officer	\$ ---
-------	--	--------

Mod 2	Time extension to 15 Jan 68.	\$ ---
-------	------------------------------	--------

Mod 3	Time extension to 15 Apr 68.	\$ ----
-------	------------------------------	---------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

\$ 41,410.00

Sent to FRCEN: 30 SEP 1969

To be Destroyed July 74

Performance Completed: 3 Apr 68

Contract CLOSED: 25 Jun 68

Refund: \$ none



520 International Business Machines

L

No.	Contractor	Status	Contract Type & Authority
-----	------------	--------	---------------------------

(1 Mar 66 - 31 Dec 66)

SUBJECT: Development of radiation effects measurements standards.  
RANU

\$ \$96,215.00

Capt A. V. Polk

Mod 1 Additional funding for overrun costs

\$ 9,960.00<sup>9,960.00</sup>

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: FEB 1977  
To be Destroyed 0782TOTAL \$106,175.00  
PAID \$106,175.00

REFUND \$ -0-

Performance Completed:

22 Sep 67

Contract CLOSED:

CLOSED 26 apr 76

Refund: \$

521 No.	IIT Research Institute Contractor (15 Apr 66 - 15 Jan 67)	NP Status	CPFF a(11) Contract Type & Authority
------------	---	--------------	--

SUBJECT: Safety criteria for weapon storage.  
BSAB

\$ 47,717.00

Capt C. Choromokos

Mod 1 Time extension to 28 Feb 67

\$ ----

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

TOTAL:

\$47,717.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: 20 Mar 67

Contract CLOSED:

28 Oct 68

**CLOSED**

Refund: \$417.12

No.	Contractor	Status	Contract Type & Authority
522	The Boeing Company	L	
	(1 Mar 66 - 30 Nov 66)		

**SUBJECT:** Program to standardize data on Transient Radiation Effects on Electronics (TREE) for systems design applications. \$ 63,502.00

**RANU**

Capt A.V. Polk

Mod 1 Time extension to 31 Dec 66. \$ ----

Mod 2 Time extension to 31 Jan 67 \$ ----

Mod 3 Time extension to 30 Apr 67 \$ --

Mod 4 Time extension to 30 Jun 67 \$ --

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: FEB 1977  
To be Destroyed Oct 82

TOTAL \$63,502.00  
PAID \$63,502.00

TOTAL -0-

Performance Completed: 20 Jun 67

Contract CLOSED:

26 Aug 76

Refund: \$

523	Lockheed Aircraft Corp.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(28 Feb 66 - 1 Jul 66)		
SUBJECT: Sample protection system.			\$ 95,035.00
<del>SECRET</del> AEC			
Maj W. J. Provance <sup>STU7M</sup> (Mr. R. M. Tidwell, Sandia Corp)			
Mod 1	Additional Services: AEC Derringer Program		\$126,210.00
Mod 2	OH rates for FY '66		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$221,245.00  
PAID: 221,245.00

Performance Completed:

31 Dec 66

Contract CLOSED:

20 May 71

**CLOSED**

Refund: \$ - 0 -

524	Ion Physics Corp.	LB	CPFF (a)(11)
No.	Contractor	Status	Contract Type & Authority

	(10 Feb 66 - 30 Apr 66)		
SUBJECT:	Study to define cost, location and scheduling aspects of advanced flash x-ray machine and its installation.		\$ 33,419.00
RANU			

Capt A.V. Polk

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

TOTAL:	\$33,419.00
PAID:	<u>33,140.62</u>

Sent to FRCEN: *Janga*  
To be Destroyed *Jul 76*

Performance Completed: *28 Feb 66*

Contract CLOSED: *29 Sep 69*

**CLOSED**

Refund: \$ 278.38

525 No.	Physics International Company Contractor (11 Feb 66 - 30 Apr 66)	S Status	CPFF a(11) Contract Type & Authority
------------	--	-------------	--

SUBJECT: RANU	Study to define technical, cost and location factors involved in installation of 50,000 rad flash x-ray machine.		\$ 34,187.00
---------------	--	--	--------------

Capt A.V. Polk

Mod 1	Overrun costs and		\$ 1,527.00
-------	-------------------	--	-------------

Mod 2			\$
-------	--	--	----

Mod 3			\$
-------	--	--	----

Mod 4			\$
-------	--	--	----

Mod 5			\$
-------	--	--	----

Mod 6			\$
-------	--	--	----

Mod 7			\$
-------	--	--	----

Mod 8			\$
-------	--	--	----

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

TOTAL: \$35,714.00

Performance Completed: 28 Feb 66

Contract CLOSED: 25 Sep 68

CLOSED

Refund: \$ 757.22



526 No.	IIT Research Institute Contractor (1 Mar 66 - 31 May 67)	NP Status	CPFF a(11) Contract Type & Authority
------------	--	--------------	--

SUBJECT: BSPS	Calculation of enegy absorbed in direct ground shouk for REDHOT/DEEP WELL events.		\$ 10,444.00
------------------	--	--	--------------

Lt Isenberg			
-------------	--	--	--

Mod 1	Time extenstion to 31 Dec 67.		\$ --
-------	-------------------------------	--	-------

Mod 2			\$
-------	--	--	----

Mod 3			\$
-------	--	--	----

Mod 4			\$
-------	--	--	----

Mod 5			\$
-------	--	--	----

Mod 6			\$
-------	--	--	----

Mod 7			\$
-------	--	--	----

Mod 8			\$
-------	--	--	----

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

TOTAL: \$10,444.00  
PAID: 10,179.60

Performance Completed: 14 Dec 67

Contract CLOSED: 28 Oct 68

Refund: \$ 264.40



Denver Research Lab.

527

Colorado Seminary

E

Cost a(5)

Contractor

Status

Contract Type  
& Authority

(15 Mar 66 - 15 Jan 67)

SUBJECT: Early explosion phenomenology measurements from high explosive  
BSAB and detonable gas charges. (DISTANT PLAIN)

\$ 24,369.00

~~Major Lewis J. Cauthen, Jr., SPLN~~

Mod 1 Participation for remaining events in Operation DISTANT PLAIN. \$ 37,057.00  
Events 2, 5 and 6.  
Time extension to 15 Jan 68.

Mod 2 Increase level of effort. \$ 7,970.00

Mod 3 Research in connection with Event 1A, Operation DISTANT PLAIN \$ 19,458.00  
and Operation PRAIRIE FLAT.  
Time extension to 15 Jan 69.

Mod 4 Provide technical photography of events MINE UNDER and MINE ORE. \$ 36,907.00  
(FY68 NWET, 40XSSX005)  
Time extension to 30 Apr 69.  
CDR Malcolm J. Macdonald, SPSS

Mod 5 Obtain high resolution photograph (MINE ORE Event & MINE SHAFT \$ 1,305.00  
(FY69NWET 40XAX YX 921) ~~series~~)

Mod 6 Time extension to 30 Jun 69 \$ ---

Mod 7 Additional funds to cover OH adjustments \$1,539.35  
69 NWET L 40AAXYX921 01

Mod 8 \$

Sent to FRECN: Aug 74 TOTAL: \$128,605.35  
To be Destroyed Jul 79 PAID: 128,605.35  
REFUND: - 0 -

Performance Completed:

Contract CLOSED:

31 May 69  
12 Jan 73  
**CLOSED**

## General

No.	Contractor	Status	Contract Type & Authority
528	<del>Defense</del> Research Corp.	S	CPFF a(11)
	(1 Mar 66 - 31 Dec 66)		

SUBJECT: Study of systems aspects of weapon design.  
APAB

\$ 39,000.00

Maj D. Boone

Mod 1	Additional study of systems aspects of weapon design.	\$ 9,500.00
-------	---	-------------

Mod 2	<del>Time extension to 5 Aug 66. Prepare a special report on the research conducted under Mod. 1</del> Time extension to 5 Aug 66. Prepare a special report on the research conducted under Mod. 1	\$ 4,680.00
-------	---	-------------

Mod 3	Novation agreement	\$ --
-------	--------------------	-------

Mod 4	Novation Agreement	\$ --
-------	--------------------	-------

Mod 5	Time extension 30 Jun 67	\$ ---
-------	--------------------------	--------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FROEN: May 72  
To be Destroyed Jul 77

TOTAL: \$53,180.00  
PAID: \$51,610.72

Performance Completed:

Jun 67

Contract CLOSED:

2 Sep 70

**CLOSED**

Refund: \$ 1,569.28

529 No.	E. H. Plesset Associates, Inc. (EG&G, Inc) Contractor (1 Apr 66 - 30 Jun 67)	S Status	CPTF (S)(11) Contract Type & Authority
------------	--	-------------	--

SUBJECT: WTD	Analytical studies on MIDI MIST, DRAGON MIST & DOUBLE PLAY.		\$ 64,500.00
--------------	---	--	--------------

1/Lt V.W. Slivinsky  
1st Lt R. A. Howerton, (Capt. R. A. Howerton, AFWL - Tech Monitor)

Mod 1	Analytical Studies on HUDSON, DORSAL FIN, AND DOOR MIST Time extension to 15 Jul 68		\$ 45,000.00
-------	--	--	--------------

Mod 2	Time extension to 31 Dec 68		\$ ---
-------	-----------------------------	--	--------

Mod 3	Novation agreement Change to EG&G, Inc.		\$ ----
-------	--	--	---------

Mod 4	Decrease due to an underrun.		- \$ 37,950.00 (decrease)
-------	------------------------------	--	---------------------------

Mod 5			\$
-------	--	--	----

Mod 6			\$
-------	--	--	----

Mod 7			\$
-------	--	--	----

Mod 8			\$
-------	--	--	----

Sent to FRCEN: Aug 74  
To be Destroyed Jul 29, Dec 72

TOTAL: \$71,550.00  
APPAID: 67,047.74

**CLOSED**

Performance Completed: 6 Jan. 69

Contract CLOSED:

Refund: \$ 4,502.26

530 No.	Pan-Fax, Inc. Contractor (4 Mar 66 - 4 Nov 66)	Status	CPFF a(11) Contract Type & Authority
------------	--	--------	--

SUBJECT: JTF-8	Services in the establishment of automated aids to be used in program support for overseas nuclear testing.		\$50,164.00
----------------	---	--	-------------

CDR W.A. Schwem (monitor) Lt Col L.H. Hutchinson

Mod 1	Time extension to 30 Jun 67	\$	-----
-------	-----------------------------	----	-------

Mod 2	Transfer of funds from Contract DA-49-146-XZ-439	\$	22,400.00
-------	--	----	-----------

Mod 3	Time extension to 29 Feb 68	\$	---
-------	-----------------------------	----	-----

Mod 4	31 Dec 67. Reduce time of contract and change instructions relating to Final Reports.	\$	--
-------	--	----	----

Mod 5	Costs for overrun	\$	992.27
-------	-------------------	----	--------

Mod 6		\$	
-------	--	----	--

Mod 7		\$	
-------	--	----	--

Mod 8		\$	
-------	--	----	--

TOTAL:	\$73,556.27
Paid	<u>73,556.27</u>

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed:

Contract CLOSED:

31 Dec 67

5 Mar 70

**CLOSED**

Refund: \$ - 0 -

531 No.	GCA Corporation Contractor (17 Mar 66 - 16 Jun 67)	Status	CPFF a(11) Contract Type & Authority
SUBJECT: Theoretical study of atomic and molecular processes. RAEL			\$ 87,975.00

Dr. C.A. Blank

Mod 1	Change paying office	\$ - - -
Mod 2	Revision of Work Statement Time extension to 30 Jun 68.	\$ 75,000.00
Mod 3	Additional work (FY69 NWER HD 010) Time extension to 30 Nov 69.	\$ 69,222.00
Mod 4	Time extension to 31 May 70.	\$ - -
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: SEP 1975  
To be Destroyed Jul 19 81

TOTAL \$ 232,197.00  
PAID \$ 229,264.60

REFUND\$ 2,932.40

Performance Completed: 26 May 75

Contract CLOSED:

**CLOSED**

14 May 75

Refund: \$

532	Braddock, Dunn and McDonald, Inc.	CPFF a(11)
No.	Contractor	Contract Type & Authority
	(7 Mar 66 - 6 Oct 66)	

SUBJECT: RANU	Neutron transport calculations for use in nuclear weapon vulnerability studies.	\$ 26,696.00
---------------	---	--------------

Maj E.L. Arnold

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

Sent to FRCEN: 30 SEP 1969  
To be Destroyed Jul 74

Performance Completed: 31 Mar 67

Contract CLOSED: 14 Aug 67

**CLOSED**

Refund: \$ 927.94

593	American Nucleonics Corp.	CPFF a(11)
Contractor	Status	Contract Type & Authority
(10 Mar 66 - 10 Dec 66)		
SUBJECT: RAEV	Physical modeling study of VLF-LF propagation via a nuclear perturbed ionosphere	\$ 84,612.00

~~REMOVED~~ Mr. Dow E. Evelyn, RAEV

Mod 1	Additional investigation of VLF propagation characteristics from model experiments. Time extension to 7 Dec 67	\$ 112,672.00
-------	---	---------------

Mod 2	Investigation of the effects of ionospheric depressions on long range communications at low and very low frequencies. Time extension to 31 Dec 68.	\$132,009.00
-------	---	--------------

Mod 3	Continuation of research on effect of ionospheric depression on long-range communications at low and very low frequencies. (69NWER HBO42) Time extension to 31 Dec 69.	\$ 116,523.00
-------	--	---------------

Mod 4	Continuation of research (FY70 NWER HB 04201) Time extension to 31 Dec 70	\$ 116,857.00
-------	---	---------------

Mod 5	Time extension to 28 Feb 71.	\$ ----
-------	------------------------------	---------

Mod 6	Additional funds to cover OH adjustment. 71 NWER HB 042 01	\$ 28,097.29
-------	---	--------------

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Sep 72  
To be Destroyed Jul 78

TOTAL: \$590,770.29  
PAID: 590,146.65

Performance Completed:

Contract CLOSED:

24 Apr 72

**CLOSED**

Refund: \$ 623.64

534	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(28 Mar 66 - 27 Jun 67)		
SUBJECT:	Theoretical research on turbulent shock processes in super-fast electrodeless discharges.		\$ 99,800.00
RATH			
LtJG R.V. Budny			
Mod 1	Investigate Electron Heating in Turbulent Plasma Time extension to 31 Dec 67.		\$ 94,482.00
Mod 2	Novation agreement		\$ ----
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

TOTAL: \$194,362.00

Sent to ERGEN: Jan 72  
To be Destroyed Jul 76

Performance Completed:

29 Mar 68

Contract CLOSED:

8 Jul 69

**CLOSED**

Refund: \$ 3,282.55



535	Edgerton, Germeshausen & Grier, INC. (Las Vegas) L	CPFF a(11)
<b>No</b>	<b>Contractor</b>	<b>Status</b>
	(11 Mar 66 - 10 May 66 ) (pre-contract fm )	<b>Contract Type &amp; Authority</b>
<b>SUBJECT:</b>	Close-in technical photography, operation PIN STRIPE	\$ 3,945.00
WTOP-OT		

Maj J. G. Caudron, TC

<b>Mod 1</b>	Additional close-in photography, Time extension to 15 Jul 66	\$ 8,392.00
--------------	---	-------------

<b>Mod 2</b>		\$
--------------	--	----

<b>Mod 3</b>		\$
--------------	--	----

<b>Mod 4</b>		\$
--------------	--	----

<b>Mod 5</b>		\$
--------------	--	----

<b>Mod 6</b>		\$
--------------	--	----

<b>Mod 7</b>		\$
--------------	--	----

<b>Mod 8</b>		\$
--------------	--	----

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

9 Jan 70 **CLOSED**

Performance Completed: 24 Jul 66

Brought Forward \$

<b>Total</b>	\$ 12,337.00
<b>PAID:</b>	12,337.00

REFUND: - 0 -

536	University of Delaware	E	C a(5)
No.	Contractor	Status	Contract Type & Authority

(1 May 66 - 30 Apr 67)

SUBJECT: Comparative study of the circadian periodicity of monkeys and humans.  
AFRRI

\$ 9,797.00

~~Original Caption~~ William F. Davis, Jr. (AFRRI)

Mod 1 Time extension to 30 Jun 67.

\$ ---

Mod 2 Time extension to 1 September 67

\$ ----

Mod 3 AFRRI Subtask "The Behavioral Decrement and Incapacitation Response to Acute Radiation Injury"  
Time extension 31 Aug 68

\$ ----

Mod 4 Additional funds to cover adjustment in OH

\$ 252.18

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRGEN: *SEP 74*  
To be Destroyed *Jul 80*

TOTAL \$ 10,049.18  
PAID \$ 10,049.18

REFUND \$ -0-

Performance Completed: *5 Aug 68*

Contract CLOSED: *16 Jul 74*

**CLOSED**

537	Whittaker Corp.	FP a(11)
No.	Contractor	Contract Type & Authority
	(1 Apr 66 - 15 Dec 66)	

SUBJECT: STRA	Redesign, modify, fabricate and test Sandia Corp. Rocket Attitude Control System (ACS)	\$143,230.00
---------------	--	--------------

Mr. Dow E. Evelyn

Mod 1	Addendum to Technical Memorandum on Attitude Control System Time extension	\$ 19,748.00
-------	--	--------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

\$162,978.00

Sent to ERGEN: 30 SEP 1969  
To be Destroyed Jul 74

Performance Completed: 4 Aug 67

Contract CLOSED: 16 Oct 67

**CLOSED**

Refund: \$ none

538 No.	Technology, Inc. Contractor (6 Apr 66 - 5 Jan 67)	S B Status	CPEF a(11) Contract Type & Authority
------------	---	---------------	--

**SUBJECT:** Engineering services for installation and checkout of a  
AFRRI Behavioral and Physiological Instrumentation System.

\$ 57,852.00

Dr. R. White

Mod 1 Time extension to 23 Jan 67.

\$ ---

Mod 2 Time extension to 23 Mar 67.

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

SENT TO FRUIT: 2 APR 1969  
To be Destroyed Jul 73

\$ 57,852.00

Performance Completed: 14 Mar 67

Contract CLOSED: 23 May 67

Refund: \$ none

Philco-Ford Corp.

539	Aeronutronic Contractor	Status	CPFF a(11) Contract Type & Authority
	(27 Apr 66 - 27 Jul 67)		
SUBJECT:	Satellite vulnerability study		\$ 133,903.00
RATH	(issued from RFP DASA 1-66)		

LTJG Budny

Mod 1	Participation in DASA Summer Study.	\$ 3,661.00
-------	-------------------------------------	-------------

Mod 2	Change name	\$ ---
-------	-------------	--------

Mod 3	Incorporation of OH rates for '66 and '67	\$ ----
-------	---	---------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL:	\$137,564.00
PAID:	<u>137,239.00</u>

Sent to FRCEN: Jan 72  
To be Destroyed Jul 74

Performance Completed: 21 Dec 67

Contract CLOSED:

12 May 70

**CLOSED**

Refund: \$ 325.00

540	General American Transportation Corp.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(6 May 66 - 5 Dec 66)		
SUBJECT: Feasibility and design of underground detonable gas explosion. ARPA			\$ 41,900.00

*in K... 1966*

Mod 1	Time extension to 31 Jan 67	\$ -----
-------	-----------------------------	----------

Mod 2	Time extension to 30 Apr 67	\$ -----
-------	-----------------------------	----------

Mod 3	Incorporation of OH rates for FY's 66 and 67	\$ ---
-------	--	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

TOTAL AMOUNT: \$41,900.00

Sent to FRCEN: *Jan 72*  
To be Destroyed *Jul 76*

Performance Completed: *8 May 67*

Contract CLOSED:

*20 Aug 69*

**CLOSED**

Refund: \$ - 0 -

541	United Aircraft Corporate Systems Center	CPFF a(11)
No.	Contractor	Contract Type & Authority
	(28 Mar 66 - 31 Dec 66)	
SUBJECT: Study of ground shock. BSPS		\$ 27,401.00

Lt Col C.W. Barker

Mod 1 To derive particle velocity vs time curves from given shock spectra data.  
Time extension 30 Sept 67 \$ 25,634.00

Mod 2 Additional funding for overrun \$ 9,316.00

Mod 3 Change of name \$ ---

Mod 4 OH rates for 66 and 67. \$ ----

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$62,351.00  
PAID: 61,343.36

Performance Completed: 24 Oct 67

Contract CLOSED:

9 Aug 70

**CLOSED**

Refund: \$ 1,007.64

542	Edgerton, Germeshausen & Grier, Inc.	CPFF a(11)
No.	Contractor	Contract Type
	(4 Apr 66 - 31 Dec 66)	& Authority
SUBJECT: Technical support - DOUBLE PLAY 8.04.		\$ 100,710.00
WTD		

~~100-100-100-100~~ Maj John B. Oblinger, TC

Mod 1	Additional funds for overrun	\$ 7,803.00
	Time extension to 30 <del>April</del> 1967 <i>Jun</i>	

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRGEN: May 72  
To be Destroyed Jul 77

TOTAL:	\$108,513.00
PAID:	<u>108,513.00</u>

Performance Completed:

*15 Mar 67*

Contract CLOSED:

*25 Feb 71*

**CLOSED**

Refund: \$ - 0 -



543	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 66 - 31 Aug 67)		
SUBJECT: Complete development of a high pressure shock technique BSPS			\$ 142,650.00
LTJG J. Isenberg			
Mod 1	Revise appropriation symbol		\$ ---
Mod 2	Time extension to 30 Apr 68		\$ ---
Mod 3	Notation agreement		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$142,650.00

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed:

16 May 68

Contract CLOSED:

25 Jul 69

**CLOSED**

Refund: \$ - 0 -



545	Edgerton, Germeshausen & Grier, Inc.	L	CPFF a(11)
	Contractor	Status	Contract Type & Authority
	(2 May 66 - 31 Jul 67)		

SUBJECT: Continuation of FISH BOWL spectral data reduction and analysis. \$ 93,220.00  
RAEL

Maj A. M. Simko (LTC Fitz, RAAE for Mod #5)

Mod 1 DASA Summer Study participation. \$ 6,384.00

Mod 2 Continuation of reduction and analysis of FISH BOWL debris data. \$ 59,197.00  
Time extension 31 Dec 67.

Mod 3 Attendance at the Joint AEC-DOD Optical Workshop (9-12 Jan 67) \$ 2,950.00  
Time Extension to

Mod 4 Representation for DASA at the JOWOG 13 SUBWOG Optical Instrumentation Comprehensive Analysis of the CHECK MATE Spectrum - Meeting. \$158,170.00  
Expansion of spectral data analysis from FISH BOWL.  
Time extension to 30 Jun 68

Mod 5 To furnish Mr. Donald F. Hansen as DASA representative at a meeting concerning the SPREFS spectrograph and familiarization of MIGHTY SKY project personnel in SPREFS spectrograph operation. \$ 3,245.00

Mod 6 Representative of DASA at JOWOG 13 Optical Instrumentation SUBWOG. \$ 1,096.00  
(FY68 NWET, 20AHAX804) at Sandia Corp. Albuquerque, N.M.

Mod 7 Time extension to 28 Feb 69 \$ ---

Mod 8 Representative of DASA at JOWOG 13 Optical subwog at England. \$ 1,524.00  
FY69 NWETID. KLIBXHX 523.

Mod 9 Additional funds to bring this contract to a conclusion \$23,654.00  
70 NWER HC 061 37 - Time extension to 1 Dec 70.

TOTAL: \$ 349,440.00  
PAID: \$ 348,672.85

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

Performance Completed: 4 Jan 71

Contract CLOSED:

CLOSED

Refund: \$ 767.15

17 Jul 73

546 No.	Cornell Aeronautical Laboratory, Inc. Contractor (1 Jun 66 - 31 Jul 67)	Status	CPFF a(11) Contract Type & Authority
------------	---	--------	--

SUBJECT: RAEL	D=Region Electron Density Experiments in S. America during 1966 Solar Eclipse.		\$ 130,000.00
------------------	---	--	---------------

Dr. C.A. Blank

Mod 1	Phase III of Eclipse operation.		\$ 65,690.00
-------	---------------------------------	--	--------------

Mod 2	Additional technical effort Time extension to 17 Aug 67.		\$ 9,882.00
-------	---	--	-------------

Mod 3	Improve the interpretation of electron density profile data obtained during the DASA 1966 Eclipse Program in Brazil. Time extension 30 Apr 68.		\$ 54,300.00
-------	--	--	--------------

Mod 4			\$
-------	--	--	----

Mod 5			\$
-------	--	--	----

Mod 6			\$
-------	--	--	----

Mod 7			\$
-------	--	--	----

Mod 8			\$
-------	--	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

TOTAL:	\$259,872.00
PAID:	<u>259,423.29</u>

Performance Completed: 3 May 68

Contract CLOSED:

15 Jan 71

**CLOSED**

Refund: \$ 448.71

547	Avco Corporation	L	CPFF a(11)
	Contractor	Status	Contract Type & Authority
	(1 May 66 - <sup>10 Dec</sup> <del>21 Oct</del> 66)		

SUBJECT: Underground testing feasibility study.  
BSAB

\$35,091.00

Mr. M. Rubenstein

Mod 1 Participation in DASA Summer Study Meeting  
STAP Support of DASA X-ray Effects Study  
Time extension to 30 Nov 66.

\$ 6,253.00

Capt Teale

Mod 2 Time extension to 30 <sup>Apr</sup> Jan 67

\$ ---

Mod 3 Incorporation of OH rates for 66 '67

\$ ---

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FROEN: May 72  
To be Destroyed Jan 77

TOTAL: \$41,344.00  
PAID: 37,482.67

Performance Completed: 31 Mar 67

Contract CLOSED:

18 Nov 70

**CLOSED**

Refund: \$ 3,861.33

548	Kaman Nuclear	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(2 May 66 - 30 Jun 67)		

SUBJECT: Development of blast instrumentation.  
BSAB

\$136,000.00

Maj J.R. Hook

Mod 1 Change of name

\$

Mod 2 Equipment provided to GA  
additional labor in development of a pressure transducer.  
Time extension to 31 May 68.

\$ 4,000.00

Mod 3 Change of name.

\$ ---

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FCCEN: May 72  
To be Destroyed Jul 77

TOTAL: \$140,000.00  
PAID: 140,000.00

Performance Completed: 1 Sep 69

Contract CLOSED:

7 Apr 71

**CLOSED**

Refund: \$ \_0)-

549 No.	Pan-Fax, Inc. Contractor (28 Apr 66 - 16 Aug 66)	S Status	CPFF a(11) Contract Type & Authority
------------	--	-------------	--

SUBJECT: Ocean surface platform.  
WTOP-R

\$ 16,860.00

LCDR W.J. Johnson

Mod 1 Additional funds to cover increase in work scope.

\$ 1,236.00

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

TOTAL: \$18,096.00  
Paid: \$17,952.10

Performance Completed: 23 May 67

Contract CLOSED: 23 Jan 70

**CLOSED**

Refund: \$ 143.90

550	Edgerton, Germeshausen & Grier, Inc. (Las Vegas)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(28 Apr 66 - 31 Dec 67)		
SUBJECT: Instrumentation and recording support for MIDI MIST 9.14.			\$ 262,668.00
WTOP-R			

1st Lt R. Howerton (Capt R. Lewis, AFWL - Tech Monitor)

Mod 1 Additional Scope of work on MIDI MIST Instrumentation and Recording \$45,204.00

Mod 2 Additional funding for providing instrumentation not contained in the initial requirements. \$66,691.00  
Time extension to 31 Mar 68.

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FROEN: *Aug 74*  
To be Destroyed *Jul 80*

TOTAL \$374,563.00  
PAID 368,207.35

Performance Completed: *Nov 67*

Contract CLOSED:

**CLOSED**

*30 NOV 73*

Refund: \$6,355.65





551	Edgerton, Germeshausen & Grier, Inc. (Las Vegas) L	CPFF a(11)
N-	Contractor	Contract Type & Authority
	(28 Apr 66 - 31 Dec 67)	

Subject: WTOP-R	Technical photography - MIDI MIST 9.12	\$ 230,456.00
-----------------	--	---------------

Mr. W. S. Isengard (Capt R. Gerhardt, AFWL - Tech Monitor)

Mod 1	<del>Time extension</del> Extend work week to 54 hrs.	\$ ----
-------	---	---------

Mod 2	Delay in field work and overhead adjustment. Time extension to 31 Aug 68.	\$ 33,418.00
-------	--	--------------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

SEP 1975

Sent to FRCEN:  
To be Destroyed *Jul 1981*

TOTAL: \$263,874.00  
PAID: \$253,408.78  
REFUND: \$ 10,465.22

Performance Completed: *Dec 68*

act CLOSED:

**CLOSED**

*13 Sep 74*

Refund: \$

552	Northrop Nortronics	L	CPFF a(11)
Contractor		Status	Contract Type & Authority
(1 Jun 66 - 31 Jul 67 ) (pre-contract fm )			

SUBJECT: Development ~~and field testing~~ of a fiber optics pressure transducer. \$ 53,732.00  
RATH

Capt A.O. Paas

Mod 1	Substitution of final report in lieu of pre-test report Time extension to 30 Sep 67	\$ ---
Mod 2	Additional costs due to increase in <sup>operational</sup> Overhead.	\$ 9,801.00
Mod 3	Additional funding for OH rates increase. <i>Change of name (no novation agreement)</i> Time extension to 29 Feb 68.	\$ 5,959.00
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FREEM: Sep 72  
To be Destroyed Jul 78

Brought Forward	\$
Total	\$ 69,492.00
PAID:	68,368.28
REFUND:	1,123.72

Performance Completed: 16 Apr 68

1 Sep 71 **CLOSED**

553	Ion Physics Corp.	CPFF a(11)
Contractor	Status	Contract Type & Authority
(1 Jun 66 - 28 Feb 68 ) (pre-contract fm	)	
SUBJECT: RATH RAEV	Investigation of the characteristics of confined plasmas generated by magnetically self-focused electron streams.	\$ 179,400.00

~~xxxxxxx~~ Lt Jonathan M. Wachtel, RAAF RAEV

Mod 1 The study and Development of High Intensity 'Stopped Beam' Plasma Sources. \$ 136,435.00  
(FY68, NWER, RRL 1013)  
Time extension to 15 Apr 69.

Mod 2 Additional work. \$165,345.00  
(FY69 NWER LA 013)  
Time extension to ~~31 Jan 70~~ 28 Feb 70.

Mod 3 Time extension to 30 Sep 70. \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FREEN: Aug 78  
To be Destroyed Jul 79

Brought Forward \$

Total \$ 481,180.00

PAID: 481,180.00

REFUND: - 0 -

Performance Completed:

30 Sep 70

12 Jan 73

CLOSED

554	Edgerton, Germeshausen & Grier, Inc. (Las Vegas)	L	FP CFF a(11)
Nr	Contractor	Status	Contract Type & Authority
	(1 Jun 66 - 15 Oct 66 ) (pre-contract fm )		
SUBJECT: Design, fabrication and checkout of six complete camera, oscilloscope and power control systems (for installation in mobile instrumentation vans)			\$ 59,689.00

Lt Col R.M. Gräswold (1st Lt H.L. Meadows, WTOP - Tech Monitor)

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCE: 2 APR 1969  
To be Destroyed Jul 73

Brought Forward

\$

Total

\$59,689.00

Performance Completed:

29 Dec 66

9 Mar 67

555 #	Stanford Research Institute Contractor	NP Status	CPFF a(11) Contract Type & Authority
	( 13 Jun 66 - 13 Dec 67) (pre-contract fm )		
	SUBJECT: EMP data collection RAEL		\$ 46,988.00
	C. S. Allen Capt <del>W. R. Smith</del> , RAEV		
Mod 1	To correct an administrative error (clause #)		\$ ---
Mod 2	EMP Interaction Study - Increase in scope of work - AVAX Time extension to 30 Apr 68		\$ 95,342.00
Mod 3	Change appropriation data and Overhead rates for FY 66		\$ ---
Mod 4	Additional work - Phase IV (NY68 NWER - REM 1091) Time extension to 31 Jul 68.		\$ 15,850.00
Mod 5	Time extension to 30 Nov 68.		\$ ----
Mod 6	Additional services in connection with EMP data collection, interpretation and comparison. Time extension to 15 Mar 69		\$ 24,118.00
Mod 7	OH rates for '67		\$ --
Mod 8	Time extension to 31 Jan 70.		\$ --
Mod 9	Incorporation of OH rates for ;68 Time extension to 5 Jun 70.		\$ ---
Mod 10:	Incorporation of OH rates for 69		\$ --
	Brought Forward		\$

Sent to FRCEN: Sep 72  
To be Destroyed Jul 78

Total \$182,298.00  
PAID: 182,080.90  
REFUND: 217.10

Performance Completed:

5 Jun 70 (30 Dec 71)

**CLOSED**

556	IIT Research Institute	NP	CPFF a(11)
No	Contractor	Status	Contract Type & Authority
	( 1 Jun 66 - 31 May 67 ) (pre-contract fm )		
SUBJECT: RAE L	ECLIPSE 1966 (Nov) - Preparation, fielding and data analysis of HF propagation (6.11E); dayglow photometry (6.15E); VLF propagation experiments (6.20E).		\$ 34,780.00
Dr. C.A. Blank			
Mod 1	Execution and funding of the Part II (FY 67) of above scope		\$ 83,995.00
Mod 2	Unanticipated expenses in the 1966 Eclipse Program		\$ 15,850.00
Mod 3	1966 Eclipse Data Reduction Time extension 31 Dec 67		\$ 22,256.00
Mod 4	Time extension to 30 Jun 68.		\$ ---
Mod 5	Time extension to 31 Dec 68.		\$ ---
Mod 6	Time extension to 7 Mar 69.		\$ ---
Mod 7			\$
Mod 8			\$

Sent to FRCEN: Jan 72  
To be Destr: Jul 76

Brought Forward

Total \$ 156,881.00  
Paid: 156,732.63

REFUND: \$148.54

Performance Completed:

7 Mar 69

(18 Feb 70)

**CLOSED**

557	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPFF a(11)
Nr	Contractor	Status	Contract Type & Authority
	( 6 Jun 66 - 6 Jun 67 ) (pre-contract fm	)	
SUBJECT: ECLIPES Nov 1966 - Acquisition of optical measurements of coronal phenomena (8.4E)			\$ 10,000.00

Dr. C.A. Blank

Mod 1	Execution and funding of Part II portion (FY 67) of acquisition of optical measurements of coronal phenomena.	\$ 19,692.00
	<del>Time extension to</del>	

Mod 2	Time extension to 6 <sup>Oct</sup> 67	\$ ----
-------	---------------------------------------	---------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward

Total	\$29,692.00
PAID:	29,150.90

Performance Completed: 15 Sep 67 | 24 Nov 70

**CLOSED**

REFUND: 541.10



558	IIT Research Institute	NP	CPFF a(11)
1	Contractor	Status	Contract Type & Authority
	(1 Jun 66 ~ 31 Aug 67 ) (pre-contract fm	)	
SUBJECT:	Design an experiment to test thermomechanical decoupling concept		\$ 64,027.00
ARPA	in a granite medium,		
	LTC Barker, SPSS		
Mod 1	Increase in scope of work		\$ 3,877.00
Mod 2	Additional tasks		\$ 11,179.00
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
		Brought Forward	\$
		Total	\$ 79,083.00

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Performance Completed: 26 May 67

29 Oct 68

559	NRA, Inc.	SB	CPFF a(11)
Nr	Contractor	Status	Contract Type & Authority
	(20 May 66 - 19 May 67 ) (pre-contract fm	)	
SUBJECT:	1966 (NOV) ECLIPSE - Acquisition of riometer measurements (6.28E)		\$ 15,000.00
ISRAEL			

Dr. C.A. Blank

Mod 1	Continuation - DASA Eclipse Program (final incremental funding)	\$ 35,000.00
Mod 2	Add'l, unanticipated logistic support costs incurred in Brazil in connection with the acquisition of riometer measurements during the DASA Eclipse Program of '66.	\$ 9,806.00
Mod 3	Reduction and Analysis of Cosmic Noise Riometer Data Obtained during the 1966 Solar Eclipse in Southern Brazil. Time extension <del>19 April 1968</del>	\$ 48,946.00
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
Brought Forward		\$
Total		\$ 108,752.00

5 Sep 69

01000

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Performance Completed:

14 Oct 68

REFUND: \$ - 0 -

560	Southwest Research Institute	CPFF a(11)
Nr	Contractor	Contract Type & Authority
	( Jun 66 - 31 May 67 ) (pre-contract fm )	
<b>SUBJECT:</b>	Low field electron spin resonance study of the effects of ionizing radiation in living animals.	\$ 54,588.00
<b>STMD</b>		
CDR G.P. Douglas		
<b>Mod 1</b>	To improve the electron spin resonance spectrograph equipment Replacement of equipment.	\$ 15,600.00
<b>Mod 2</b>	A low field electron spin resonance Study of the Effects of Ionizing radiation in living animals, Phase II. Time extension 30 Nov 68.	\$ 69,826.00
<b>Mod 3</b>		\$
<b>Mod 4</b>		\$
<b>Mod 5</b>		\$
<b>Mod 6</b>		\$
<b>Mod 7</b>		\$
<b>Mod 8</b>		\$
Sent to FRCEN: Sep 72 To be Destroyed Jul 78		Brought Forward \$
		Total \$ 140,014.00
		PAID: 137,922.20
		REFUND: \$ 2,091.80
Performance Completed: 1 Jan 69 24 Sep 71 <b>CLOSED</b>		

561	Foringer and Company, Inc.	SB	FP (a)(11)
No	Contractor	Status	Contract Type & Authority
	( 1 Jul 66 - 31 Aug 66 ) (pre-contract fm	)	
SUBJECT: Supply two programming systems.			\$ 8884.00
AFRRI			

Dr. H.J. deHaan

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRGEN: 26 Jan 71  
To be Destroyed Jul 75

Brought Forward \$

Total \$ 8,884.00

Performance Completed:

15 Mar 67

27 Feb 69

**CLOSED**

Refund: \$ - 0 -

562	General Electric Company (Syracuse)	L	CPFF a(11)
Nr	Contractor	Status	Contract Type & Authority
	( 1 Jun 66 - 31 Mar 67 ) (pre-contract fm )		
SUBJECT:	Design, fabricate and deliver engineering model of incremental thermal energy recorder.		\$ 38,477.00
STMD			

LCDR R. M. Garver

Mod 1 Time extension to 31 <sup>Jun</sup> May 67

\$ ----

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

\$

Total \$38,477.00

Paid: 37,494.01

Performance Completed:

19 Jun 67

Sent to FRCEN: Janna  
To be Destroyed Jul 76

REFUND: \$982.99

563

NRA, Inc.

N-

Contractor

Status

Contract Type  
& Authority

( 1 Sep 66 - 1 Sep 71 ) (pre-contract fm )

SUBJECT: Facilities Contract

\$

Mod 1

Update Clauses and Schedule B.  
Effective 1 May 69

\$ ---

Mod 2

Funds for packing, crating and handling.

\$ 200.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FREEMAN  
To be Destroyed

CLOSED

Brought Forward

\$ 200.00

\$

Total

\$

Performance Completed:

21 Nov 73

No	Contractor	Status	Cost a(5)
564	University of California, San Diego	E	
	(1 Jun 66 - 31 Oct 66 ) (pre-contract fm 23 May 66 )		
SUBJECT: Study on X-ray effects and research			Contract Type
RATH DASA Summer Study			Authority
			\$ 39,116.00

Capt W. Teale. STAP

Mod 1 FY 66 overhead rates.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to ERSEN:30 days  
To be Destroyed *Jul 74 12 Oct 67*

**CLOSED**

Brought Forward \$ 39,116.00

Total \$

Performance Completed:

4 Oct 66

Refund: \$ 246.52

565 Moleculon Research Corp.

CPFF (a)(11)

Contractor

Status

Contract Type  
& Authority

{ 8 Jun 66 - 31 Jan 67 } (pre-contract fm )

SUBJECT: Measurement of flux and spectrum of radiation in DOUBLE PLAY. 8, 13 \$ 37,694.00  
WTOP~~Lt Col. x x x x x~~ Lt Armistead, SPASMod 1 Accurately define the energy response of selected dosimetric materials. \$ ----  
Time extension to 31 May 68

Mod 2 Time extension to 31 Nov 68. \$ ---

Mod 3 Time extension to 28 May 69. \$ --

Mod 4 Additional funds to cover OH adjustment. \$ 192.29  
NWET J32CAXA X874 01

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Total \$37,886.29  
PAID: 37,886.29

Finance Completed:

CLOSED

Sent to FRANK. Sep 72  
To be Destroyed Jul 78

May 28 1969

G. D. 71



867	Technical Operations Research	LB	CPFF a(11)
Nr	Contractor	Status	Contract Type & Authority
	( 27 Jun 66 - 26 Feb 67) (pre-contract fm	)	

SUBJECT: Design and study of ultra-high speed hologram camera.  
WTOP

\$ 64,600.00

Mr. W.S. Isengard

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRGEN: Aug 74  
To be Destroyed Jul 79

Brought Forward

\$  
\$

Total \$ 64,600.00  
PAID: 60,229.08

REFUND: \$ 4,370.92

Performance Completed:

26 Feb 67

14 Aug 72  
(CLOSED)

568	Paul Weidlinger	CPFF a(11)
No.	Contractor	Contract Type & Authority
	(1 Jul 66 - 31 Aug 67) (pre-contract fm )	
SUBJECT:	Evaluation of air induced ground shock effects from HE tower and surface bursts. DISTANT PLAIN.	\$ \$25,642.00
BSPS		

~~Maj Jxx Cheremokex~~ Maj Mosteller, SPSS

Mod 1	Time extension to 1 Oct 68	\$ -----
-------	----------------------------	----------

Mod 2	Time extension to 28 Feb 69.	\$ ---
-------	------------------------------	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: June 70  
To be Destroyed Jul 76

Brought Forward	\$
Total	\$25,642.00
Paid:	25,615.45

Performance Completed:

17 Nov 69

**CLOSED**

REFUND: \$26.55



570	Lockheed Aircraft Corp.	L	OPFF a(11)
Contractor		Status	Contract Type & Authority
	( 1 Jul 66 - 30 Sep 67 ) (pre-contract fm )		
SUBJECT: RAEI	Continued investigation of geomagnetically trapped electrons from high altitude nuclear explosions		\$ 75,966.00
Dr. C.A. Blank			
Mod 1	Investigate Beta Trapping at High L Values .		\$ 25,769.00
Mod 2	Continuation of work Time extension to 31 Jan 69.		\$ 79,200.00
Mod 3	Continuation of investigations (FY69NWER HC 047) Time extension to 31 Dec 69		\$ 119,300.00
Mod 4	Incorporation of '66 and '67 OH rates		\$ ---
Mod 5	Time extension to 31 Mar 70.		\$ ---
Mod 6	Additional work. (FY70 NWER HCO47 02) Time extension to 31 Mar 71		\$ 98,300.00
Mod 7	Time extension to 30 Apr 71. <i>incorp. OH rates for '68</i>		\$ --
Mod 8			\$
Brought Forward			\$
Total			\$ 398,535.00
PAID:			396,831.25
REFUND:			1,703.75
Performance Completed:	<i>23 Apr 71</i> <i>1 Dec 72</i>	CLOSED	

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

571	GCA Corp.	CPFF a(11)
Nr	Contractor	Status
	( 30 Jun 66 - 28 Feb 67) (pre-contract fm )	Contract Type & Authority
SUBJECT:	Instrumentation and services for measuring solar ultra-violet and solar X-ray intensities during solar ECLIPSE 66.	\$ 65,652.00
RAEL		
<del>LTJG-Txx-Exx-Caglex</del> Dr. Charles A. Blank, RAAE		
Mod 1	Additional analysis of data derived from the 1966 Solar Eclipse Time extension to 31 Jul 67	\$ 6,971.00
Mod 2	Time extension to <sup>15 Jul</sup> <del>31 Jan</del> 68.	\$ ----
Mod 3	Time extension to 31 Jan 69.	\$ ---
Mod 4	Time extension to 30 Nov 69.	\$ ---
Mod 5	Time extension to 30 Jun 70.	\$ ---
Mod 6		\$
Mod 7		\$
Mod 8		\$

Brought Forward	\$
<b>Total</b>	\$ 72,623.00
<b>PAID:</b>	70,937.49
<b>REFUND:</b>	1,685.51

Performance Completed:

**CLOSED**

*23 June 70*

*14 Apr 72*

572 N°	Cornell Aeronautical Laboratory Contractor	Status	FACILITIES Contract Type & Authority
	(1 Sep 66 - 1 Sep 71 ) (pre-contract fm )		
SUBJECT: Facilities Contract			\$

Mod 1	Updating General Provisions Effective <sup>Feb</sup> May 69.	\$ ---
-------	---	--------

Mod 2	Updating General Provisions Effective 1 May 69	\$ ---
-------	---	--------

Mod 3	Update Schedule A and add "readiness" provision.	\$ --
-------	--	-------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to President <sup>Aug 74</sup>  
To Be Destroyed <sup>Jul 80</sup>

**CLOSED**

Brought Forward	\$
Total	\$

Formance Completed: <sup>CLOSED 9 Nov 73</sup>

573	General American Transportation Corp.	L	CPFF a(11)
No	Contractor	Status	Contract Type & Authority
	( 5 Jul 66 - 30 Jun 67 ) (pre-contract fm	)	

SUBJECT: Determine technical and economical feasibility of using detonable gas mixtures confined in large balloons for high altitude detonations \$ 148,800.00

BSAB

(ARPA)

Mr. Kelso

Mod 1 Additional work \$38,960.00  
Time extension to 15 Nov 67.

Mod 2 To determine the feasibility of conducting an underground detonable gas explosion in the SALMON Cavity and to develop a test plan for accomplishing the tests. \$12,600.00  
Time extension 31 Aug 68.

Mod 3 Time extension to 30 Jun 69 \$ ---

Mod 4 Time extension to 30 Jun 70. \$ --

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward	\$
Total PAID	\$ 200,360.00
	200,360.00

Performance Completed:

Aug 70

23 Nov 70 **CLOSED**

REFUND: - 0 -

574

67-6885	Medical College of South Carolina	E	COSF a(5)
Contractor		Status	Contract Type & Authority
09 Jun 66 - 30 Sep 67 (pre-contract fm		)	

SUBJECT: Biochemical and immunological changes associated with thermal  
STMD injuries. \$ 74,370.00

LCDR R. E. ~~Granowitz~~ Lt R. L. Bonsanti

Mod 1	Continuation of research Time extension to 30 Sep 68.	\$ 80,000.00
Mod 2	Development of a fine particle abrasive system in the debridement of burn eschars.	\$ 33,416.00
Mod 3	Additional work MB033.01 Extend Contract completion date: 30 Sep 69	\$ 80,000.00
Mod 4	Continuation of research (FY 70 NWER MB 033 01) Time extension to 30 Sep 70.	\$130,000.00
Mod 5	Continuation of research 71 NWER MB 033 01 Time extension to 30 Sep 71.	\$ 70,000.00
Mod 6	Time extension to 31 Dec 72.	\$ --
Mod 7		\$
Mod 8	Sent to PROEN: <i>Aug 74</i> To be Destroyed <i>Jul 80</i>	\$

**CLOSED** 18 Jul 74

Brought Forward	\$
Total PAID	\$ 467,786.00
	467,786.00
REFUND	-0-

ance Completed: 31 Dec 72



5:5	The Boeing Company	L	CPFF a(11)
F	Contractor	Status	Contract Type & Authority
	(5 Jul 66 - 30 Nov 66 ) (pre-contract fm )		

SUBJECT: Design and fabrication of a mobile tower for Project NEW POINT. \$ 111,973.00

6-28-66  
WTOP

CDR J.B. Dobbins

Mod 1	Overrun costs for design and construction of mobile tower.	\$ 18,728.00
-------	--	--------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

SEP 1975	Brought Forward	\$
----------	-----------------	----

Sent to FRCEN:  
To be Destroyed Jul 1981.

Total PAID	\$130,701.00
	<u>130,701.00</u>

Performance Completed:

**CLOSED** 24 Feb 75

REFUND -0-

87-0  
0001 - 0026

7-C-0001

01 Ion Physics Corp.

CPFF a(11)

Contractor

Status

Contract Type  
& Authority

(11 Jul 66 - 31 Dec 66 ) (pre-contract fm )

SUBJECT: Definition and preliminary design of a super flash x-ray system.  
RANU

\$186,086.00

Capt A.V. Polk

Mod 1 Time extension to 28 Feb 67

\$ ----

Mod 2 Time extension to 30 Jun 67

\$ ---

Mod 3 Additional work in connection with the assembly and testing of the  
1.5 Mv test apparatus.

\$ 8,576.00

Time extension ~~31 Mar 68~~ 31 Mar 68

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRGEN: Jan 72  
To be Destroyed Jul 76

Brought Forward

\$

Total \$ 194,662.00  
PAID: -194,662.00

Performance Completed:

Mar 68

19 Sep 69

**CLOSED**

REFUND: \$ - 0 -

67-C-0002	Technical Operations Research	CPFF a(11)
X	Contractor	Status
	( 1 Aug 66- 30 Sept 67 ) (pre-contract fm )	Contract Type & Authority
SUBJECT:	Sensitivity analysis of DOD fallout prediction system.	\$ 99,534.00
RANU		

Mr. R. C. Tompkins (NDL) (LCDR Cane, Monitor)

Mod 1	Additional level of effort	\$ 19,958.00
-------	----------------------------	--------------

LCDR Cane, RARP (Mr. Tompkins, NDL -Tech Monitor)

Mod 2	Change report requirement.	\$ ---
-------	----------------------------	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward

Total	\$ 119,492.00
PAID:	116,692.50

Performance Completed:

10 Aug 67 (200mg 70)

**CLOSED**

REFUND: \$2,799.50

67-C-0003

67-03	Technical Operations Research	CPFF a(11)
Contractor	Status	Contract Type & Authority
( 1 Aug 66 - 31 Oct 66 ) (pre-contract fm )		
SUBJECT: Evaluate ability to recover data from photographic film subsequently fogged by radiation using a modulation technique		\$ 19,485.00

Mr. W.S. Isengard

Mod 1	Time extension to 15 Mar 67	\$ ----
Mod 2	Evaluation and Modification of Spectrographic Plate Processor and Preparation of Operational Manual. Time extension 15 May 67. LTC Caudron, TC	\$ 3,472.00
Mod 3	Perform the sensitometric exposure of test plates. Time extension to 15 Jan 68.	\$ 1,500.00
		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward \$

Total	\$ 24,457.00
PAID:	23,840.07
REFUND:	616.93

once Completed:  
CLOSED!

19 January 1968 (18 Dec 70)

CLOSED

67-0004	IIT Research Institute	NP	CPFF a(11)
No	Contractor	Status	Contract Type & Authority
	( 22 Jul 66 - 31 Jan 67 ) (pre-contract fm	)	
SUBJECT: Analysis of mass fire data RATH			\$ 30,801.00

Maj L.C. Logie

Mod 1	Time extension to 30 Apr 67	\$ ---
-------	-----------------------------	--------

Mod 2	Time extension to 30 June 68	\$ ---
-------	------------------------------	--------

Mod 3	Time extension to 1 Feb 69.	\$ ---
-------	-----------------------------	--------

Mod 4	Time extension to 31 Aug 69.	\$ --
-------	------------------------------	-------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward

Total	\$ 30,801.00
PBID:	30,429.39

Performance Completed:

REFUND: \$ 371.61

**CLOSED**

DASA01-

67-C-

Q/ 05

Lockheed Missiles &amp; Space Co.

L

CPFF

N/

Contractor

Status

Contract Type  
& Authority

(1 Aug 66 - 30 Jun 67) (pre-contract fm )

\$494,377.00

SUBJECT: Approach and program plan for conducting the Pre-Midi  
TCTB-R Mist Test at Nevada Test Site. (DOOR MIST)

Capt H. E. Pilcher, Fld Com

Mod 1

Reduce and modify scope DOOR MIST.

- \$ 311,038.00  
decrea

Mod 2

OH rates for FY 66 ~~and 67~~

\$ --

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
To be De' Ad Jul 77

Brought Forward

\$  
\$Total  
PAID:\$183,339.00  
175,852.30

Performance Completed:

1 Feb 67

24 Jun 71

**CLOSED**

REFUND: \$7,486.70

67-C-0006	Kaman Nuclear	L	CPFF (a)(11)
Contractor		Status	Contract Type & Authority
	( 25 Aug 66 - 24 Apr 67 ) (pre-contract fm	)	\$ 50,300.00
SUBJECT: Revise and update the air blast portions of TM 23-200, BSAB "Capabilities of Nuclear Weapons".			

~~Major Hooker~~ Major Cauthen, STPS

Mod 1 Revise and update the thermal radiation portion of TM 23-200. \$ 34,000.00  
Time extension to 26 Jan 68.

Mod 2 Increase in scope of work. \$ 24,930.00  
(FY68 NWER RLN1061)  
Time extension to 30 Jun 68.

Mod 3 Change of name. \$ ---

Mod 4 Time extension to 31 Dec 69. \$ ---

Mod 5 \$ ---

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Total \$ 112,230.00  
PAID: 110,452.53

REFUND: 1,777.47

Performance Completed:

31 Dec 69  
29 Dec 71

**CLOSED**



## General

67-C-0007

~~Research~~ Research Corporation

S

CPFF

No

Contractor

Status

Contract Type  
& Authority

( 15 Aug 66 - 15 Nov 67 ) (pre-contract fm )

SUBJECT: Mid-Course Discrimination.  
RATH

\$ 109,700.00

Ltjg Robert V. Budny, RATH

Mod 1

Change of name

\$ --

Mod 2

Change of name

\$ --

Mod 3

Change of name

\$ ---

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$  
\$Total \$ 109,700.00  
PAID: 109,700.00

REFUND: - 0 -

Performance Completed:

130 &amp; 70

CLOSED

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Feb 68

67-C-0008	Dikewood Corp.		CPFF (a)(11)
No	Contractor	Status	Contract Type & Authority
	(15 Aug 66 - 31 Jul 68) (pre-contract fm )		
SUBJECT:	Study in connection with Operation FLAMBEAU to investigate a Firestorm Model as an aid to fire damage prediction techniques.		\$ 95,370.00
RATH			
<del>Matrix Contract</del> Mr. Louis J. Belliveau, STSP			
Mod 1	Scope of work to be amended		\$ ---
Mod 2	Provide methods for predicting those parameters of the air blast generated by underground explosion of a nuclear device.		\$ 59,527.00
Mod 3	Time extension to 31 Jan 69.		\$ ----
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FRCEN: Aug 74 To be Destroyed Jul 79 <i>Jan 69</i>		Brought Forward	\$
Performance Completed: 9 Apr 73		Total	\$154,897.00
		PAID:	154,193.83
		REFUND:	703.17

**CLOSED**

No	Contractor	Status	Contract Type & Authority
	(26 Sep 66 - 31 Dec 67 )	(pre-contract fm )	

**SUBJECT:** Vulnerability Handbook for aircraft exposed to nuclear explosions.

\$ 114,752.00

Mr. Louis J. Belliveau, SPLN

Mod 1 Change of name

\$ ---

Mod 2 Vulnerability study of the AH-56-A helicopter in support of NWER Subtask RLN 2019.  
Time extension to 31 May 68.

\$ 7,431.00

Mod 3 Change of name

\$ ----

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

1 Jul 69 Sent to FRCEN: May 72  
To be Destroyed Jul 77

Total \$ 122,383.00

PAID: 121,584.68

Contract CLOSED:

Refund: \$ 598.32

30 Aug 70

**CLOSED**

67C-0010	Physics International Company	CPFF a(11)
N	Contractor	Status
	(16 Aug 66 - 15 Nov 67) (pre-contract fm )	Contract Type & Authority
SUBJECT:	Equations of state of earth media.	\$ 98,815.00
	BSPS	
Lt/8//166nberg Ensign C. B. McFarland, SPSS		
Mod 1	Beginning of main tests - Time extension 15 Jul 68	\$ 59,400.00
Mod 2	Continuation of effort. Time extension to 31 Dec 68.	\$ 62,000.00
Mod 3	Time extension to 15 Apr 69.	\$ ---
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
Brought Forward		\$
Total		\$ 220,215.00
PAID:		219,156.15
REFUND:		1,058.85
Performance Completed:		

Sent to FRCEN: May 72  
To be Destroyed Jul 77

**CLOSED**

23 Oct 70

67-0011	Polaroid Corporation	FP a(11)
No	Contractor	30 Nov 67
	(1 Sept 66 - 31 Aug 67) (pre-contract fm )	Status
SUBJECT:	Research studies of the pupillary mechanism.	Contract Type & Authority
STMD		\$ 35,360.00

Maj E.W. Blackburn

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Total

\$ 35,360.00

Performance Completed:

6 Dec 67

6 Sep 68

(RFP 67-4)

67-0012

Wolf Research & Development Corp.

SB

FP a(11)

No

Contractor

Status

Contract Type

(12 Sep 66 - 15 Nov 66) (pre-contract fm

& Authority

**SUBJECT:** Systems development and implementation assistance for DASA  
APAB management information system.

\$ 24,000.00

Capt E. Weckel

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to EPCEN: 30 SEP 1969

To be Destroyed Jul 74

Brought Forward

\$ 24,000.00

Total

\$

Performance Completed:

31 Jan 67

20 Mar 67

67-0013	Applied Theory, Inc.	CPEF a(11)
Contractor	Status	Contract Type & Authority
( 1 Sept 66 - 31 May 67) (pre-contract fm )		
SUBJECT:	Pilot calculation of soil loading of nuclear fireball.	\$ 49,537.00

LCDR Cane, RANU

Mod 1	Time extension to 31 July 67	\$ ----
-------	------------------------------	---------

Mod 2	Time extension to 30 Jun 68	\$ ---
-------	-----------------------------	--------

Mod 3	Time extension to 30 Sep 68	\$ ---
-------	-----------------------------	--------

Mod 4	Time extension to 20 June 69.	\$ ----
-------	-------------------------------	---------

Mod 5	Funds for cost growth 70 NWER PD 007 01	\$ 938.42
-------	--	-----------

Mod 6	Funds for OH adjustments. FY 67 NWER PD 007 01	\$ 498.85
-------	---	-----------

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: *7 Sep 74*  
To destroyed *Jul 80*

*No June 69*

**CLOSED**

*12 Feb 74*

Brought Forward

Total	\$ 50,974.27
PAID	50,974.27
REFUND	-0-

Performance Completed:

67-0014	EG&G, Inc.	L	CPFF a(11)
Nr	Contractor	Status	Contract Type & Authority
	(8 Oct 66 - 2 Nov 67 ) (pre-contract fm )		
SUBJECT:	Rehabilitation and maintenance of DASA equipment under Facilities		\$ 72,483.00
TC	Contract DA-49-146-XZ-410(F)		

Mr. Wm. Isengard

Mod 1	Time extension 30 Jun 69. Continuation of task	\$ 34,592.00
-------	---	--------------

Mod 2	Continuation of task Time extension to 30 Jun 70.	\$ 31,992.00
-------	--	--------------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

Brought Forward	\$
	\$

Total	\$ 139,067.00
PBID:	139,067.00
REFUND:	- 0 -

Finance Completed: 30 Aug 71

8 June 73  
CLOSED



No	Contractor	Status	Contract Type & Authority
	(3 Oct 66 - 2 Nov 67 )	(pre-contract fm )	

SUBJECT: Maintenance of data films and second-generation data records. \$ 21,109.00

TC

LTC Fitz, RAAE

Mod 1 Continuation of the effort previously started by TC. \$ 15,859.00  
(FY67, FISH BOWL, subtask 36-002)  
Time extension to 31 Dec 68.

Mod 2 Continuation of maintenance and storage of data films. \$ 16,980.00  
(FY69 NWET K20AAXHX804)  
Time extension to 31 Jan 70.

Mod 3 Control and Maintenance of DASA Film and Data Records -PHASE IV. \$ 9,729.00  
(FY68 NWET K20ZZX HX 804 02)  
Time extension to 31 Jul 70.

Mod 4 Time extension to 8 Oct 70. \$ ---

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRGEN: Aug 79  
To be Destroyed Jul 79

ance Completed: 9 Nov 70

Contract CLOSED:

Brought Forward  
Total \$ 63,677.00  
PAID: 63,677.00

Refund: \$ - 0 -

CLOSED

8 Jun 73

67-C-0016	General Atomic, Division of General Dynamics	L	CPFF a(11)
No	Contractor	Status	Contract Type & Authority
	(1 Sept 66 - 28 Feb 68) (pre-contract fm )		
SUBJECT:	Modify previous design to fit in with the nuclear device specified by LASL and to extend previous predictions <del>xxxxxx</del> <del>xxxxxx</del> for the DASA part of the experieiment - "RUSSET Support Studies"		\$ 48,810.00

LTC Burt Collins, Test Command.

Mod 1	Time extension to 15 Nov 68	\$ ----
-------	-----------------------------	---------

Mod 2	Novation agreement	\$ ----
-------	--------------------	---------

Mod 3	t	\$
-------	---	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward	\$
Total	\$ 48,810.00
PAID:	48,810.00

Performance Completed:

17 Oct 68

13 Nov 70

**CLOSED**

REFUND: - 0 -

67-0017 Stanford Research Institute NP CPFF a(11)

No	Contractor	Status	Contract Type & Authority
	( 3 Oct 66 - 3 Dec 67 )	(pre-contract fm )	

SUBJECT:	Dynamic Properties of rocks	\$ 108,860.00
----------	-----------------------------	---------------

Ensign C. B. McFarland

Mod 1	Incorporation of FY 66 overhead rates	\$ --
-------	---------------------------------------	-------

Mod 2	Additional effort on "Equation-of-State of Rocks" (FY 68 Subtask 4SS2047) Time extension to 4 May 69.	\$115,694.00
-------	---	--------------

Mod 3	Tim OH rates for '67	\$ ---
-------	----------------------	--------

Mod 4	Time extension to 30 Jun 69. Additional funding for OH adjustment (FY 70 SB 047 01)	\$ 700.00
-------	---	-----------

Mod 5	Incorporation of OH rates for '68 and '69.	\$ ---
-------	--	--------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Brought Forward \$

Finance Completed:

Contract CLOSED:

Total	\$ 225,254.00
	<u>225,121.62</u>

Refund:	\$ 132.38
---------	-----------

June 69 Sent to FRCEN: May 72  
To be Destroyed Jul 77

17 Dec 70

**CLOSED**

67-C-0018

67-

GCA Corp.

S

CPFF a(11)

Contractor

Status

Contract Type  
& Authority

(16 Sept 66 - 15 May 67) (pre-contract fm )

SUBJECT: Photometric Observation of Airglow Excitation Mechanism (Eclipse)  
RAEL

\$ 24,736.00

all: ~~Dr. Thomas G. Gagle~~ Dr. Blank.

Mod 1

Add'l Services and Expenses in Connection with Execution of  
Project 6.6E of the DASA 1966 Eclipse Program

\$ 4,587.00

Mod 2

Time Extension to 15 ~~Jan 67~~ <sup>Jan 68</sup>

\$ ---

Mod 3

Additional and unanticipated expenses

\$ 1,779.00

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Total

\$ 31,102.00

PAID:

30,781.70

REFUND:

320.30

Performance Completed:

30 Jan 68

14 Apr 72

**CLOSED**

67-C-0019	Stanford Research Institute	CPFF a(11)
<b>Contractor</b>	<b>Status</b>	<b>Contract Type &amp; Authority</b>
( 1 Oct 66-31 Mar 68 ) (pre-contract fm	)	
<b>SUBJECT:</b> Electron-Scatter Research Using the Project 6.17 Radar. RAEL		\$ 150,215.00

Mr. Dow E. Evelyn, RAEL

<b>Mod 1</b>	Additional work.	\$ 103,741.00
--------------	------------------	---------------

<b>Mod 2</b>	Repair of MIGHTY SKY 6.17 radar Beam Power Supply. Time extension to 31 May 68. FY68 NWET/MTR, Subtask 20A-HA-X-617	\$ 27,351.00
--------------	---	--------------

<b>Mod 3</b>	Additional research. (FY68 NWER, RHA1048) Time extension 1 Jun 69.	\$ 199,642.00
--------------	---	---------------

<b>Mod 4</b>	Additional repairs . (FY68 NWETMTR, 20A-HA-X-617)	\$ 12,505.00
--------------	--	--------------

<b>Mod 5</b>	DASA Project 617 Radar - and OH rates for '67 (FY69 NWET ATR MIGHTY SKY 617) Time extension to 15 Jul 70.	\$ 272,000.00
--------------	---	---------------

<b>Mod 6</b>	OH rates for '68	\$ --
--------------	------------------	-------

<b>Mod 7</b>	Time extension to 15 Sep 70. Incorporation of OH rates for 1969 and 1970	\$ ---
--------------	---	--------

<b>Mod 8</b>		\$
--------------	--	----

Brought Forward \$

<b>Total</b>	\$ 765,454.00
<b>PAID:</b>	761,731.40

<b>REFUND:</b>	3,722.60
----------------	----------

Performance Completed:

15 Sep 70  
22 Mar 72

**CLOSED**

67-C-0020	G. C. Dewey Corp.	CPFF a(11)
No	Contractor	Status
	(1 Sept 66 -31 Aug 67 ) (pre-contract fm )	Contract Type & Authority
SUBJECT:	Laboratory Study of the Perturbed Upper Atmosphere.	\$ 125,507.00
RAEL		

*LtC Fitz*  
Dr. C. A. Blank, RAEL

Mod 1	Laboratory Studies of Reaction Rates in the Lumped Parameter Experiment.	\$ 92,410.00
	Time extension to 15 Feb 69	

Mod 2	Time extension to 31 May 69.	\$ ----
-------	------------------------------	---------

Mod 3	-----	\$
-------	-------	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Brought Forward	\$
	\$

Total	\$217,917.00
PAID:	217,917.00
REFUND:	- 0 -

Performance Completed:

*14 Mar 69*  
~~*[Signature]*~~

*10 Mar 72*

**CLOSED**

67-C-0021	IIT Research Institute	CPFF a(11)
No	Contractor	Contract Type & Authority
	(25 Sept 66- 31 Dec 67) (pre-contract fm )	
SUBJECT:	Determination of Fire Buildup and Conditions Supporting Room	\$ 99,997.00
RATH	Flashover.	

Mr. J. W. Snyder, RATH

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Total \$ 99,997.00

PAID: 99,614.81

REFUND: \$ 382.19

19 Dec 69

Performance Completed:

15 Apr 68

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

67-C-0022	Applied Theory, Inc.	a(1)	
No	Contractor	Status	Contract & Author.
"	( 1 Oct 66 - 31 Dec 67 ) (pre-contract fm )		
SUBJECT:	Design earth-cavity systems which produce maximum decoupling of buried nuclear explosions.		\$ 89,828.00
ARPA			
BSPS			
	LTC Barker, STBS		
Mod 1	Theoretical research on the problem of minimizing the amplitudes of stress waves delivered to the earth in underground nuclear explosions. Time extension 29 Feb 68.		\$ 184,176.00
Mod 2	Time extension to 30 Jun 68		\$ ---
Mod 3	Continuation and additional work. (ARPA #862, Amend #7) Time extension to 31 Dec 69		\$ 376,926.00
Mod 4	Change appropriation.		\$ --
Mod 5	Additional funds to cover increased costs brought about by change in G&A costs.		\$ 2,573.00
Mod 6	Time extension to 31 Dec 71.		\$ --
Mod 7	Time extension to 30 June 1972		\$ --
Mod 8	Cost Growth DH 275182-67 ARPA Order 862/7		\$ 628.37

PERFORMANCE COMPLETE: 13 Mar 72

CONTRACT CLOSED:

SENT to WNRC: 10 MAY 1983

TO BE DESTROYED: Dec 89

Brought Forward

Total PAID: \$ 654,131.37  
654,131.37  
- 0 -



67-C-0023 Physics International Co.

SB

CPFF a(11)

No.

Contractor

Status

Contract Type  
& Authority

(30 Oct 66- 3 Feb 67 ) (pre-contract fm )

SUBJECT: Preliminary Study of Advanced Flash X-Ray Machine

\$184,751.00

RANA

Maj J. J. McGee, Jr., RA

Mod 1

Overrun costs

\$ 14,782.00

Mod 2

Time extension to 1 Mar 68.

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Brought Forward

\$  
\$

Total

\$ 199,533.00

CLOSED

11 Jun 69

Performance Completed: 20 Feb 68

REFUND: \$526.43

67-C-0024 The New York Academy of Sciences

Nr	Contractor	Status	Contract Type & Authority
	(15 Sept 66 - 30 App 67) (pre-contract fm )		
SUBJECT:	Symposia on Biological Effects of Nuclear Warfare		\$29,218.00
DDST			

LTC J. V. Hemler, Jr. DDST

Mod 1 Time extension to 31 Aug 67

\$ --

 Mod 2 Second and Third Conferences .  
 Time extension 30 Jun 69.

\$56,636.00

Mod 3 Time extension to 31 Dec 69.

\$ --

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

 Sent to FREEM: SEP 1975  
 To be Destroyed Jul 1981

Brought Forward

\$

\$

 Total PAID \$ 85,854.00  
 53,966.58

REFUND 31,887.42

Performance Completed:

CLOSED

23 Jan 75

67-C-0025	Moleculon Research Corp.	CPFF (A)(11)
<b>Contractor</b>	<b>Status</b>	<b>Contract Type &amp; Authority</b>
(20 Oct 66 - 31 Oct 67) (pre-contract fm	)	
<b>SUBJECT:</b> RATH	Development and Analysis of Dosimetry - MIDI MIST	\$ 125,708.00

P.O. Maj W. O. Donner (TC) - Dr. J. D. Plimpton, Sandia Corp. (Tech/Monitor)

Mod 1	Development of new materials and tests for MIDI MIST	\$ 57,369.00
-------	--	--------------

Mod 2	Increase in the funding level - Passive Dosimetry. Time extension to 31 May 68.	\$ 49,720.00
-------	--	--------------

Mod 3	Time extension to 30 Sep 68.	\$ ---
-------	------------------------------	--------

Mod 4	Overhead adjustment	\$ 1,961.70
-------	---------------------	-------------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward

Total	\$ 234,758.70
PAID:	234,758.70

Performance Completed:

13 Oct 70

**CLOSED**

REFUND: - 0 -

28 Feb 69



67-D-0026	Ken O'Brien and Associates	Indefinite Quantity
No.	Contractor	Contract
	(1 Sep 66 - 31 Aug 67 ) (pre-contract fm )	Contract Type & Authority
SUBJECT: Engineering services in support of DASA nuclear test programs		\$ 122,500.00

Maj H. C. Goodson, TC.

Mod 1	Continuation of services Time extension 30 Sep 68	\$ 148,793.00
-------	--	---------------

Mod 2	Allow Expenditures of ARPA funds for decoupling experiment (DIG HARD)	\$ 25,873.00
-------	--	--------------

Mod 3	To correct discrepancies in Mod 2 (typographical errors, etc.)	\$ --
-------	--	-------

Mod 4	Re-allocation of travel and consultant funds.	\$ ---
-------	---	--------

Mod 5	Provide additional information associated with construction/ engineering aspects of DIG HARD feasibility studies. (ARPA Order 1263)	\$ 44,720.00
-------	---	--------------

Mod 6	Provide TC technical and engineering services beyond the existing in-house capability. (FY69 J45) Time extension 30 Jun 69	\$ 155,538.00
-------	---	---------------

Mod 7	Correction of clerical discrepancy in contract maximum amount	\$ ---
-------	---	--------

Mod 8		\$
-------	--	----

Brought Forward	\$
Total	\$ 497,424.00

Performance Completed:

REFUNDS: \$25,084.36

Sent to FRCEN: Jan 72  
To be Destroyed Jul 74  
24 Aug 69  
30 Jan 69  
Oct 69

67-C-0027 University of Rochester E Requirements  
 No Contractor Status Contract Type & Authority  
 (27 Jul 66 - 30 Jun 67) (pre-contract fm )  
 SUBJECT: Instruction of Military Personnel in "Advanced Course in  
 opmt Nuclear Science for Medical Officers" (\$ 7,545.00)  
 3 students committed

LTC Cox

~~Mod 1~~  
 D.O. 1

\$ 4,258.50

~~Mod 2~~  
 D.O. 2

\$ 3,232.50

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: 30 SEP 1969  
 To be Destroyed Jul 74

Brought Forward \$

Total \$ 7,491.00

Performance Completed: 30 May 67

ED 18 Mar 68

\$54.00 (de-co)

No	Contractor	Status	Contract Type & Authority
	( 7 Nov 66 - 7 Oct 67 )	(pre-contract in )	
-SUBJECT: Calculations and Model Experiments to Predict Crater Dimensions and Free-Field Motion BSPS			\$ 53,016.00
Mod 1	Continuation of effort (FY67 NWET DISTANT PLAIN Machine Run 906) Time extension to 31 Jul 68.		\$ 25,192.00
Mod 2	Additional funds for OH adjustments. (FY69 NWET L21XZX X912) Time extension to 15 Oct 69.		\$ 2,491.00
Mod 3	Time extension to 15 Mar 70.		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$
Total			\$ 80,699.00
PAID:			\$ 80,163.28
Refund:			\$ 535.72

Performance Completed: ~~8/1/70~~

Contract CLOSED:

Sent to FRECEN: May 72  
To be Destroyed Jul 77

13 Mar 70

5 Nov 70

**CLOSED**

67-C-0029	GE Tempo	Status	CPFF a(11)
Contractor			Contract Type & Authority
(1 Nov 66 - 31 Dec 67 ) (pre-contract fm )			
SUBJECT:	Scientific and technical support to DASA in the revision and maintenance of the readiness program for high altitude nuclear testing.		\$ 229,884.00
APTE			

LTC Charles W. Hulburt, STAP (APTE)

Mod 1	Time extension to 30 Jun 68.	\$ ----
-------	------------------------------	---------

Mod 2	Continuation of effort through 20 Jun 1969.	\$ 166,559.00
-------	---	---------------

Mod 3	Time extension to 30 Jun 70.	\$ ---
-------	------------------------------	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to PROEN:  
To be Destroyed

*SEP 74  
Jul 80*

**CLOSED**

Brought Forward

Total PAID	\$ 396,443.00
	396,199.01
Refund	\$ 243.99

Performance Completed:

*Aug 72*

30N003



67-C-0030 No	URS Corporation Contractor	Status	FACILITIES Contract Type & Authority
	( 24 Oct 66 - 24 Oct 71) (pre-contract fm	)	
SUBJECT:	Facilities contract for <del>all</del> DASA property.		\$ --

Mod 1	Update clauses and Schedule B Effective date 1 May 69. <i>29p</i>	\$ ---
-------	---	--------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: *Sept 72*  
To be Destroyed *Jul 78*

Brought Forward \$

Total \$

Performance Completed: 24 Oct 71

**CLOSED**

24 Oct 71

67-C-0031	Lockheed Missiles & Space Co.	CPFF a(11)
<b>Contractor</b>	<b>Status</b>	<b>Contract Type &amp; Authority</b>
( 3 Jan 67 - 3 Feb 68 ) (pre-contract fm )		
<b>SUBJECT:</b>	Laser System for Investigating Shock Wave Phenomena in Solids	\$ 98,424.00
<b>RATH</b>		

PO: Maj Lowrey - Tech Monitor:(Lt Crotwell),AFWL.

<b>Mod 1</b>	Change of scope of work.	\$ -----
	Time extension to 31 May 68.	

<b>Mod 2</b>	Change reporting requirements and time extension to 30 Jun 68.	\$ ----
--------------	--	---------

<b>Mod 3</b>	Incorporation of 67 OH rates	\$ --
--------------	------------------------------	-------

<b>Mod 4</b>	Incorporation of OH rates for 1968.	\$ ---
--------------	-------------------------------------	--------

<b>Mod 5</b>		\$
--------------	--	----

<b>Mod 6</b>		\$
--------------	--	----

<b>Mod 7</b>		\$
--------------	--	----

<b>Mod 8</b>		\$
--------------	--	----

*Mar 68* Sent to FRCEN: *May 72*  
To be Destroyed *Jul 77*

<b>Brought Forward</b>	\$
<b>Total</b>	\$ 98,424.00
<b>PAID:</b>	98,388.95

Performance Completed:

*59 Nov 70*

**CLOSED**

REFUND: 35.05

67-C-0032	URS Corporation	CPFF a(11)
	<b>Contractor</b>	<b>Status</b>
	( 14 Nov 66 - 14 Oct 67 ) (pre-contract fm )	<b>Contract Type &amp; Authority</b>
<b>SUBJECT:</b>	Preparation of Volume on High Explosive Simulation for	\$ 61,035.00
BSNE	DASA-1200. Volume 5. (Phase I)	
	010612	

*May Cautley*

Mod 1	Time extension to 31 Jan 68	\$ ----
-------	-----------------------------	---------

Mod 2	Preparation of Volume 5, Section II. (FY68 NWER, RLN 1061) 657 Time extension to 25 Jan 69.	\$72,533.00
-------	---	-------------

Mod 3	Change work statement. Time extension to 25 May 69.	\$ ---
-------	--	--------

Mod 4	Continuation of work. (FY69NWER NAO08) 67 Jan Time extension to 31 Oct 69. 70.	\$ 16,934.00
-------	--	--------------

Mod 5	Incorporation in Volum IV, results of recent tests. 71 NWED NA 008 06 Time extensinn to 30 Sep 71.	\$ 7,264.00
-------	--	-------------

Mod 6	Time extension to 1 Jun 73	\$ ---
-------	----------------------------	--------

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to *Jul 74*  
To be destroyed *Jul 82* *8 Jul 74*

Brought Forward

Total	\$ 157,666.00
PAID	157,666.00
REFUND	-0-

Performance Completed:

*1 Jun 73*

**CLOSED**

67-C-0033	Kaman Nuclear	CPFF a(11)
No	Contractor	Contract Type & Authority
	( 15 Nov 66 - 15 <sup>Apr</sup> Feb 68 ) (pre-contract fm )	
SUBJECT:	Structural Instrumentation Evaluation for MIST	\$99,580.00
RATH		

Maj Lowrey, STRA

Mod 1 Change of name.

\$ ----

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward \$

Total \$ 99 580.00  
PAID: 99,580.00

REFUND: - 0 -

Performance Completed:  
CLOSED

18 July 68  
19 Feb 71

CLOSED

67-C-0034 Nortronics, a Div. of Northrop Corp.

CPFF a(11)

Nr	Contractor	Status	Contract Type & Authority
	(25 Nov 66 - 31 Nov 67) (pre-contract fm )		
SUBJECT:	Development of a Radiation Transport Computer (Phase A)		\$ 290,697.00
BSPS			

*May: Mosteller*  
P. O.: ~~Lt J. Isenberg~~ --- Technical Monitor: 1/Lt H. F. CooperAFWE (WLDC).

Mod 1	Time extension to 30 March 68	\$ ---
-------	-------------------------------	--------

Mod 2	Time extension to 1 Nov 68.	\$ ---
-------	-----------------------------	--------

Mod 3	Time extension to 1 Apr 69.	\$ ---
-------	-----------------------------	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Brought Forward	\$
-----------------	----

Total	\$ 290,697.00
-------	---------------

PAID:	281,148.69
-------	------------

REFUND:	\$9,548.31
---------	------------

Performance Completed: 26 Aug 71

CLOSED

*30 Apr 69* Sent to FRCEN: *Apr 72*  
To be Destroyed *Jul 76*

67-C-0035 EG&amp;G Inc., Las Vegas

No	Contractor	Status	Contract Type & Authority
	( ) (pre-contract fm )		
SUBJECT:	To provide instrumentation & recording support of the active experiments conducted by AFWL project 8.84 on DRAGON MIST.		\$
TC			
	1/Lt Roger A. Howerton, TC		
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FRCEN: Jan 72			\$
To be Destroyed Jul 76			\$
Brought Forward			\$
Total			\$

Performance Completed:

67-C-0036	Engineering Physics Co.	CPFF a(11)
No	Contractor	Contract Type & Authority
	( 1 Feb 67- 31 <sup>Apr</sup> Mar 68 ) (pre-contract fm )	

**SUBJECT:** Development of a Shock/Particle velocimeter for use Close-in to  
 BSPS Underground Explosions \$ 91,690.00

Capt T. E. O'Brien, BSPS

Mod 1	Additional funds for overrun Time extension to 31 Oct 68.	\$ 6,294.00
-------	--	-------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
 To be Destroyed Jul 77

Brought Forward

Total PAID:	\$ 97,984.00 97,740.51
-------------	---------------------------

Performance Completed:

20 Jun 68

(7 Apr 71)

**CLOSED**

refund; \$243.49

67-C-0037	Battelle Memorial Institute	N.P.	CPFF(a)(b1)
No	Contractor	Status	Contract Type & Authority
	(7 Nov 66 - 15 May 67 ) (pre-contract fm	)	
SUBJECT:	Organization and administration of an X-ray effects symposium.		\$13,780.00
RATH			

Maj Loren C. Logie, RATH

Mod 1	Increase level of effort Time extension to 15 Oct 67	\$ 2,498.00
-------	---	-------------

Mod 2	Additional costs due to an increased attendance over that expected.	\$ 9,000.00
-------	---	-------------

Mod 3	Mutual agreement - no cost use for DASA idiscium. and re-run of report thru Security Classification. Time extension to 15 Feb 68.	\$ --
-------	---	-------

Mod 4	DW rates for '67 and add "Negotiated Rate" Clause	\$ --
-------	---	-------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Brought Forward \$

Total	\$ 25,278.00
PAID	25,278.00

**CLOSED**

Performance Completed:

30 Mar 70

22 Dec 67

Sent to FRCEN: Jan 72  
To be Destroyed Jul 74

REFUND: - 0 -



67-C-0038	Northrop Nortronics	CPFF a(11)
No	Contractor	Status
	(25 Nov 66 - 30 Mar 68) (pre-contract fm )	Contract Type & Authority
SUBJECT:	Thermomechanical Failure Mechanisms in Solid State Devices	\$ 293,293.00
RANU		

Mr. E. E. Conrad, HDL (Maj J.J. McGee-Project Monitor)

Mod 1	Change name.	\$ ---
-------	--------------	--------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Sep 72  
To be Destroyed Jul 78

Brought Forward \$

Total	\$ 293,293.00
PAID:	290,875.38

REFUND: 2,417.62

Performance Completed: 16 Dec 68 2 Sep 71 **CLOSED**

67-C-0039	General Atomic	Status	CPFF a(11)
Nr	Contractor		Contract Type & Authority
	(12 Dec 66 - 11 Dec 67) (pre-contract fm )		
SUBJECT: RANU	Investigation of the Validity of a Semi-conductor Screening Test		\$ 240,370.00

Maj J. J. McGee, Jr. RANU

Mod 1	Procurement of microcircuit devices (7500 ea) No extension	\$ 28,125.00
-------	---	--------------

Mod 2	Purchase additional test items No extension.	\$ 73,890.00
-------	---	--------------

Mod 3	Continuation of research services for conducting an investigation of the validity of a semiconductor screening test, Operation MIDI MIST. <del>To be</del> extension to 31 Aug 68.	\$ 39,565.00
-------	---	--------------

Mod 4	novation agreement	\$ ---
-------	--------------------	--------

Mod 5	Novation Agreement	\$ ---
-------	--------------------	--------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward	\$
Total	\$ 381,950.00
PAID:	381,607.97
REFUND:	342.03

Performance Completed:

21 Mar 69  
17 Dec 70

**CLOSED**

67-C-0040	Tetra Tech Inc.	SB	CPFF (a)(11)
No	Contractor	Status	Contract Type & Authority
	(12 Dec 66 - 11 Jan 68) (pre-contract fm )		
SUBJECT:	Run-Up Enhancement by Shelf Dynamics		\$ 39,512.00
BSNE			

Mr. J. F. Moulton

Mod 1 Time extension to 15 Feb 68.

Mod 2

Mod 3

Mod 4

Mod 5

Mod 6

Mod 7

Mod 8

Sent to FRCEN: 26 Jun 71  
To be Destroyed Jul 75

**CLOSED**

Performance Completed:

15 Feb 68

18 Jun 69

Brought Forward

Total \$ 39,512.00

REFUND: \$139.88

67-C-0041	Aluminum Body Corporation	SB	FP (a)(11)
N	Contractor	Status	Contract Type & Authority
	(1 Dec 66 - 31 Jul 67 ) (pre-contract fm )		
SUBJECT:	2 Instrumentation vans w/Damper assembly		\$ 106,796.00
TC			

~~XXXXXXXXXX~~ Lt Kurihara, TC

Mod 1	Three instrumentation vans. Time extension to 30 Nov 67.	\$ 158,166.00
-------	---	---------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Brought Forward	\$
Total	\$ 264,962.00

**CLOSED**

Performance Completed:

3 Jan 68

16 Jan 69

REFUND: - 0 -

37-C-0042	GATO, General American Research Division	CPFF
No	Contractor	Status
	( 23 Dec 66- 31 May 67 ) (pre-contract fm	)
		Contract Type & Authority

SUBJECT: Static Electricity Elimination for Detonable Gas Explosion Balloon \$19,800.00  
BSAB

22 Dec 66

Maj J. Choromokos Jr.

10 69  
10 Jan

Mod 1 Incorporation of OH rates for FY's 66 and '67. \$ ---

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Brought Forward	\$
Total	\$ 19,800.00

Performance Completed: Dec 67

20 Aug 69

**CLOSED**

REFUND: \$ - 0 -

-C-0043 IITRI		CPFF a(11)
Contractor	Status	Contract Type & Authority
(5 Jan - 5 Aug 67)	(pre-contract fm )	
SUBJECT: Assessment of the vulnerability of specified missile and launch facilities to specific attack conditions.		\$ \$35,360.00
BSPS		
LCDR M. J. Macdonald, BSPS		
Mod 1	Extend scope of work = vulnerability of hardened ICBM sites Time extension to 31 Aug 67.	\$ 3,995.00
Mod 2	Continuation of "Vulnerability Study" - provide utilization of the free field generated by others. Time extension to 30 Sep 68	\$ 46,800.00
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward	\$
Total	\$ 86,155.00
PAID:	86,155.00

Performance Completed: 6 Jan 69 (24 Aug 70) **CLOSED**

REFUND: - 0 -

67-C-0044	University of Miami	Status	Cost (a)(5)
No	Contractor		Contract Type & Authority
	(1 Jan 67 - 31 Mar 68 ) (pre-contract fm		
SUBJECT: The Physiological Effect of Photostress Upon Retinal Function.			\$ 45,684.00
STMD			
LTC E. Fountain			
<del>Major E. W. BINGEN</del> , STMD			

Mod 1	Continuation of work Time extension to 30 Jun 69.	\$ ---
-------	--	--------

Mod 2	Additional study. Time extension to 30 Jun 70.	\$ --
-------	---	-------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Sep 72  
To be Destroyed Jul 78

Brought Forward	\$
-----------------	----

Total	\$45,684.00
PAID:	43,440.70
REFUND:	2,243.30

Performance Completed:

30 Jan 70  
14 Mar 72

**CLOSED**

Spectromagnetic Industries, Inc.  
 formerly  
 Research Magnetic Systems, Inc.

67-C-0045  
 No Contractor Status Contract Type & Authority

9 Feb 67 - 15 Aug 68 ) (pre-contract fm )

SUBJECT: Electron Beam Transport System \$173,968.00

AFRRI

Capt Alan Cole, AFRRI

Mod 1 Alternative method for acceptance testing of the Electron Beam Transport System. \$ ---

Mod 2 Necessary component replacement to improve the performance of the Electron Beam Transport System. \$ --

Mod 3 Change in schedule dates..(extension) Time extension to 15 Feb 69. \$ ---

Mod 4 Time extension to 13 Jun 69. \$ ---

Mod 5 Time extension to 15 Mar 70. \$ ----

Mod 6 Novation Agreement \$ ---

Mod 7 Decrease in contract price to reflect negotiated settlement for Government's acceptance of Systems with certain minor deviations to the specifications. - \$ 5,000.00 (Decrease)

Mod 8 \$ ---

Sent to FRCEN: Sep 72  
 To be Destroyed Jul 76

Brought Forward \$

Total \$ 168,968.00  
 PAID: 168,968.00

REFUND: - 0 -

Performance Completed:

31 Oct 71

25 May 72

**CLOSED**



67-C-0046 URS Corporation

No.	Contractor	Status	Contract Type & Authority
	(1 Feb 67 - 30 Sep 67 ) (pre-contract fm )		

**SUBJECT:** Review of Basic Information on Effectiveness of Barricades.  
 STBS Supporting ASESBS Test Program (Armed Services Explosives Safety Board)

\$ 22,423.00

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
 To be Destroyed Jul 77

Brought Forward	\$
Total	\$ 22,423.00
PAID:	22,423.00
REFUND:	- 0 -

Work Completed:

Jun 68

(17 Jul 70) **CLOSED**

No	Contractor	Status	CPFF (a)(11) Contract Type & Authority
68-C-0047	Engineering-Physics Company (EPCO)		
	( 25 Jan 67 - 25 Nov 67) (pre-contract fm	)	

SUBJECT: Recording close-in particle velocity on DISTANT PLAIN Event 6. \$40,800.00  
SPLN

P.D.  
14 Jan 67

Maj Choromokos Jr - (Tech. Monitor: Capt O'Brien)

Mod 1 Costs for overrun. \$ 3,914.40  
Time extension to 7 Feb 68.

W.K.  
23 Feb 68

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward	\$
Total	\$ 44,714.00
PAID:	44,611.88

Performance Completed:

7 Feb 68 (page 71)

**CLOSED**

REFUND: \$ 102.52

No	Contractor	Status	Contract Type & Authority
	( 1 Feb 67 - 1 Feb 72 )	(pre-contract fm )	

SUBJECT: Facilities contract for DASA property.

\$ ---

PR  
T.C. 67

Mod 1 Update clauses and Schedule B.  
Effective 1 May 69.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

Brought Forward

\$

\$

Total

\$

Performance Completed:

Contract CLOSED:

Refund:

\$

9 Jan 73

CLOSED

67-C-0049 Lockheed Missiles &amp; Space Co.

CPFF (a)(11)

No

Contractor

Status

Contract Type  
& Authority

(1 Feb 67 - 31 Mar 68) (pre-contract fm )

SUBJECT: Tunnel and Pipe Seal System (TAPS)

\$ 1,665,105.0

SPAS T.C.

Capt James R. Holley

J. F. Moulton, Jr. ~~Lockheed Missiles & Space Co.~~ TC

Mod 1

Change the scope of work - decrease in funds

\$ - 260,815.0

Mod 2

Additional work performed on Project DOOR MIST.

\$ 70,384.0

Time extension to ~~28 May 68~~ 15 Jun 68.

Mod 3

Additional work performed on Project DOOR MIST.

\$ --

Time extension to 30 Nov 68.

Cost \$x reduce cost and increase fee.

Mod 4

Additional study.

\$ ----

Time extension to 28 Feb 69.

Mod 5

Additional study and time extension to 11 Apr 69.

\$ ---

Mod 6

Incorporation of '67 OH rates

\$ ---

Mod 7

Change in fee withholding provisions.

\$ --

Mod 8

1968 OH Rates

\$ ---

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79**CLOSED**

Performance Completed:

20 Nov 72

Brought Forward

Total \$1,474,674.00

PAID: 1,466,148.61

REFUND: 8,525.39

No	Contractor	Status	Contract Type & Authority
	( 2 Mar 67 -31 Oct 67 )	(pre-contract fm )	

SUBJECT: Data relating to the temperature and history of MIDI-MIST  
Box "A" (Project 9.51)

\$ 74,441.00

~~MR. BUNNEY~~ CDR R. C. Holmes, TC

Mod 1 Additional funding for overrun costs  
Time extension to 15 Feb 68.

\$ 42,038.00

Mod 2 OH rates for '67

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FP.CEN: Jan 72  
To be Destroyed Jul 76

ance Completed: Mar 68

Contract CLOSED:

Brought Forward

\$

Total \$ 116,479.00

Paid: 113,370.29

Refund: \$ 3,108.71

29 Sep 69 **CLOSED**

91-C-  
0051 - 0075

67-C-0051	Stanford Research Institute	CPFF (a)(11)
Contractor	Status	Contract Type & Authority
(7 Mar 67 - 6 Mar 68 ) (pre-contract fm )		
SUBJECT: BLUE ROCK Project 6.28.1 Readiness Maintenance RAAE	(and 6.9)	\$ 24,579.00

LCDR W. J. Johnson, TC

Mod 1 Time extension to 30 Jun 68.

\$ ----

Mod 2 Operational flight test of radar modifications (6.9)  
Readiness maintenance services at McClellan AFB.

\$ 2,497.00

Mod 3 OH rates for '67

\$ ---

Mod 4 Incorporation of OH rates for '68

\$ --

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward

\$

\$

Total PAID: \$ 27,076.00  
27,076.00

Performance Completed:

2 Aug 68

9 Jul 70

**CLOSED**

REFUND: - 0 -

67-C-0052	Wolf Research & Development Corporation	S	CPFF (a)(11)
No	Contractor	Status	Contract Type & Authority
	( 1 Feb 67 - 31 Jul 67 ) (pre-contract fm	)	
SUBJECT:	DASA Data Automation Study		\$ 95,086.00
COMP-1			

LTC J. Levy, COMP

Mod 1	Facilitate Communications at Field Command by proper utilization of the proposed Field Command Computer	\$ 12,352.00
-------	---	--------------

Mod 2	Time extension 30 Sep 67	\$ ---
-------	--------------------------	--------

Mod 3	<i>Add task VIII</i> Time extension to 31 Dec 67	\$ ----
-------	---	---------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward \$

Total	\$ 107,438.00
PAID:	106,971.21

Finance Completed:

27 Dec 67

(17 Dec 70)

**CLOSED**

REFUND: \$466.79



67-C-0053	Stanford Research Institute	CPFF (a)(11)
No	Contractor	Status
	( 2 Feb 67 - 31 Jan 68 ) (pre-contract fm )	Contract Type & Authority
SUBJECT:	Stemming Dynamics for Midi Mist	\$ 36,599.00
SPAS		

Maj Donner, TC (Dr. Weart, Sandia Corp - Technical Monitor)

Mod 1	Change of scope of work and patents right clause.	\$ --
-------	---	-------

Mod 2	Time extension to <sup>2. gen</sup> 68	\$ --
-------	--	-------

Mod 3	OH rates for '67	\$ ---
-------	------------------	--------

Mod 4	Incorporation of OH rates for '68	\$ --
-------	-----------------------------------	-------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward \$

Total	\$ 36,599.00
PAID:	35,358.76

REFUND: \$1,240.24

Performance Completed:

**CLOSED**

28 Feb 69  
5 Sep 70

67-C-0054 Shock Hydrodynamics, Inc.

FP

No	Contractor	Status	Contract Type & Authority
	( 14 Feb 67 - 15 Apr 67) (pre-contract fm )		

SUBJECT: Free-Field Calculations.

\$18,200.00

SPSS

Lt J. Q. Senberg, SPSS

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to EDCEN: 30 SEP 1969

Brought Forward

\$

To be Destroyed Jul 74

Total

\$ 18,200.00

Performance Completed:

17 Mar 67

8 Feb 68

67-C-0055	United Aircraft Corporate Systems Center (UACSC)	CPFF a(11)
No	Contractor	Status
	( 10 Mar 67 - 10 Oct 67 ) (pre-contract fm )	Contract Type & Authority
SUBJECT:	Assistance in Development and Implementation of Deep Slab Testing	\$ 25,285.00
SPSS	Program	

100 PR M. J. MacDonald

Mod 1	OH rates for '67.	\$ ---
-------	-------------------	--------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward	\$
Total	\$ 25,285.00
PAID:	24,732.02

Performance Completed:

20 Oct 67

9 Oct 70

**CLOSED**

REFUND: \$552.98

67-C-0056	GCA Corp.	CPFF (a)(11)
No.	Contractor	Status
	(10 Mar 67 - 31 <del>Oct</del> <sup>Mar</sup> 68) (pre-contract fm 20 Jan 67)	Contract Type & Authority
SUBJECT:	S-Band Telemetry Program	\$145,361.00
RAAE		

Mr. Dow E. Evelyn, RAAE  
 LTC/A1/E1/DAAG/JTF-8 until 1 April 67 - After LTC J. W. Linn JTF-8

Mod 1	Cost of inspection and acceptance of equipment being modified.	\$ 4,119.00
-------	--	-------------

Mod 2	Additional Scope of Work, (FY68, MTR 20ATSX906) Time extension to 30 Jun 68.	\$5,476.00
-------	---	------------

Mod 3	Time extension to 30 Dec 68.	\$ ---
-------	------------------------------	--------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to WASH. <sup>Sept 72</sup>	\$
To be Destroyed <sup>Jul 78</sup>	\$
Brought Forward	\$

Total	\$ 154,956.0
PAID:	152,818.3
REBUND:	2,137.6

Finance Completed:

Mar 72

**CLOSED**

67-C-0057	Stanford Research Institute	CPFF (a)(11)
Contractor	Status	Contract Type & Authority
	(10 Mar 67 - 30 Jun 68) (pre-contract fm )	\$ 376,067.00
SUBJECT:	Output Diagnostics for Selected Events	
SPAS	(RFP DASA01-67-R00002)	

H.S.  
6 Mar 67  
Maj Louis G. Sasso, TC

Mod 1	Additional funding for an over-run incurred by a sub-contractor.	\$ 49,592.00
-------	--	--------------

Mod 2	Time extension to <sup>15 Apr</sup> <del>31 Jan</del> 69.	\$ ----
-------	---	---------

Mod 3	OH rates for '67	\$ 0--
-------	------------------	--------

Mod 4	Incorporation of OH rates for '68 & '69	\$ ---
-------	---	--------

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Sep 72  
To be Destroyed Jul 76

Brought Forward

Total	\$ 425,659.00
PAID:	424,717.19

REFUND: \$941.81

Performance Completed:

21 Mar 69

20 Oct 71

**CLOSED**

67-C-0058	Moleculon	CPFF (a)(11)
<b>Contractor</b>	<b>Status</b>	<b>Contract Type &amp; Authority</b>
( 1 Apr 67 - 31 May 68 ) (pre-contract fm )		
<b>SUBJECT:</b>	Dosimetry instrumentation proposed for Tasks 1, 3 and 5 for	\$ 121,404.00
SPAS	DOOR MIST	

Maj Louis G. Sasso, T.C.

Mod 1	Closing action. Cut-back in contract effort.	\$ 58,797.00
-------	---	--------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward \$

Total	\$62,607.00
PAID:	62,607.00

Performance Completed:

1 May 68 28 Aug 70

**CLOSED**

REFUND: - 0 -

67-C-0059	Boeing Co.		
	Contractor	Status	Contract Type & Authority
	(3 Mar 67 - 2 May 68 ) (pre-contract fm	)	
SUBJECT:	Thermal Impulse Damage Studies		\$131,137.00
RAEV			

Maj J. J. McGee, Jr. (Mr. Conrad, HDL, Tech Monitor)

Mod 1	Time extension to 15 Sep 68.	\$ --
-------	------------------------------	-------

Mod 2	Time extension to 6 Jun 69.	\$ ---
-------	-----------------------------	--------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: FEB 1977	\$
To be Destroyed Oct 82	\$

Total PAID	\$ 131,137.00
	130,510.02

REFUND	626.98
--------	--------

Finance Completed:

**CLOSED**

10 Feb 76

*6 June 69*

67-C-0060 Austin Research Associates, Inc.

No	Contractor	Status	Contract Type & Authority
	( 6 Mar 67 - 6 Jun 68 )	(pre-contract fm )	

SUBJECT: Theoretical Study of Plasma Turbulence in Weapon Effects  
RAAE Plasmas \$ 24,931.00

LTC C. Reynolds, RAAE

Mod 1	\$
-------	----

Mod 2	\$
-------	----

Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

Sent to FRCEN: 26 Jan 71

To be Destroyed Jul 75

Brought Forward \$

Total \$ 24,931.00

Performance Completed: 5 April 1968

Contract CLOSED: 13 Sep 68

Refund: \$ - 0 -



67-C-0061 Nathan M. Newmark, Consulting Engineering Services S

FP a(11)

No. Contractor Status

Contract Type  
& Authority

(4 Jan 67 - 30 Sep 67 ) (pre-contract fm )

SUBJECT: Participation in the DASA Deep Slab Study.

\$25,080.00

SPSS

LCDR M. G. Macdonald, SPSS

Mod 1 Time extension to 24 Feb 68.

\$ ---

Mod 2

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Total \$ 25,080.00

Sent to FPMEN: 30 SEP 1969  
To be Destroyed Jul 74

Performance Completed: 21 Feb 68

25 Jun 68

No	Contractor	Status	Contract Type & Authority
67-C-0062	Control Data Corporation		FP
	(1 May 67 - 30 Jun 68 ) (pre-contract fm	)	

SUBJECT: Meteorological Statistical Study  
JTF-8

\$35,384.00

CDR T. T. Davenport, JTF-8 (Mr. Bruce Carter, JTF-8 Tech monitor)

Mod 1

Process newly available data.  
Time extension 31 Aug 68.

\$ 2,948.00

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: 26 Jun 71

To be Destroyed Jul 75

Brought Forward

\$

Total

\$38,332.00

Closed: 31 Oct 68.

Performance Completed:

26 Sep 68

67-C-0063

Stanford Research Institute

CPFF (a)(11)

No

Contractor

Status

Contract Type  
& Authority

(15 Mar 67 - 30 Jun 68) (pre-contract fm )

SUBJECT: Development of Rocket-Borne Nitric Oxide Detector  
RAAE

\$ 53,615.00

Dr. C. A. Blank, RAAE

Mod 1

Redirection of effort

\$ ----

Mod 2

Time extension to 30 Nov 68

\$ ---

Mod 3

Add'l costs for overrun.

\$ 2,112.28

Mod 4

OH rates for '67

\$ ---

Mod 5

Incorporation of OH rates for '68

\$ ---

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward

\$

Total  
PAID:\$55,727.28  
55,717.06

Finance Completed:

21 Oct 68

(20 Aug 70)

**CLOSED**

REFUND: \$10.22

E7-C-0064 Hoppmann Corporation

FP

No.

Contractor

Status

Contract Ty

(3 Mar 67 - 31 May 67 ) (pre-contract fm )

&amp; Authority

SUBJECT: Installation of 3 conference rooms at the Thomas Building

\$ 41,450.00

Mod 1 Time extension to 15 Jul 67

\$ ----

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: Sep 72  
To be Destroyed Jul 78

Brought Forward

\$

\$

Total \$ 41,450.00

PBID: 41,450.00

REFUND: - 0 -

Performance Completed: 19 Feb 69

CLOSED

67-C-0065 Filtron Company, Inc.

FP

No.

Contractor

Status

Contract Type  
& Authority

( 13 Mar 67 - 8 May 67 ) (pre-contract fm )

SUBJECT: Shielded Inclosure for the DASA Communications Center  
OPCM

\$ 20,134.00

Maj Day, OPCM

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to ERSEM: 30 SEP 1969  
To be Destroyed Jul 74

Brought Forward

\$

Total \$ 20,134.00

Performance Completed:

31 May 67

15 Sep 67

Refund - none

7-C-0066	Stanford Research Institute	CPFF (a)(11)
Contractor		Status
( 10 Apr 67 - 9 Jul 68 ) (pre-contract fm )		Contract Type & Authority
SUBJECT:	The Correlation of Radar Echoes from the Aurora with Satellite-Measured Auroral Particle Precipitation (U)	\$ 56,311.00
RAAE		
Mr. Dow E. Evelyn, RAAE		
Mod 1	Time extension to 31 May 1969.	\$ ---
Mod 2	Time extension to 17 June 70 OH rates for '67	\$ ---
Mod 3	Time extension to 1 May 71.	\$ ---
Mod 4	Incorporation of OH rates for '68, 69 & 70. Time extension to 1 Nov 71.	\$
Mod 5	Time extension to 18 April 1972.	\$ --
Mod 6		\$
Mod 7		\$
Mod 8		\$
Brought Forward		\$
Total		\$ 56,311.00
PAID:		55,983.49
REFUND:		327.51
Performance Completed: 18 April 72 (17 May 73)		

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

**CLOSED**

67-C-0067 IIT Research Institute

Contractor

Status

Contract Type  
& Authority

( 10 Mar 67 - 9 Dec 67 ) (pre-contract fm )

\$ 63,990.00

SUBJECT: Waveguide for Measuring Strong Shock Wave Velocities.  
SPSS

Maj Lewis J. Cauthen, Jr. (SPLN)

~~Capt. Thomas E. Olden SPSS~~

Mod 1

The next phase of the wave guide development.

\$ 49,488.00

Time extension to 9 May 68.

Mod 2

Continuation of work - additional technical work.

\$ 89,424.00

(FY68 NWET/TID 11ALNX501)

Time extension to 19 Mar 69

Mod 3

Time extension to 15 Aug 69

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward

\$

\$

Total: \$202,902.00

PAID: 202,902.00

REFUND: - 0 -

Performance Completed:

CLOSED

11 Nov 69  
11 Feb 71

No	Contractor	Status	Contract Type & Authority
	(10 Mar 67 - 10 May 68)	(pre-contract fm )	

SUBJECT: Stemming and Containment Diagnostics for DOOR MIST  
TC

\$ 230,810.00

Maj Louis G. Sasso, TC.

Mod 1	Additional research and additional funds due to an error in computing the increased overhead rates.	\$ 32,260.00
-------	---	--------------

Mod 2	Additional funds for OH adjustments	\$ 3,569.00
-------	-------------------------------------	-------------

Mod 3	Time extension to <del>10 Jul 68</del> 1 Feb 69	\$ ----
-------	---	---------

Mod 4	OH rates for '67	\$ ----
-------	------------------	---------

Mod 5	Incorporation of OH rates for '68	\$ --
-------	-----------------------------------	-------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward

\$

\$

P mance Completed:

6 Nov 68

Total	\$ 266,639.00
PAID:	261,810.31

Contract CLOSED:

Refund: \$ 4,828.69

24 Aug 70 **CLOSED**



67-C-0069 Douglas Aircraft Company, Inc.

N	Contractor	Status	Contract Type & Authority
	(24 Apr 67 - 23 Apr 68) (pre-contract fm )		
SUBJECT:	Study of vehicle phenomenology of flight through atmospheric nuclear bursts.		\$ 133,062.00
SPAS			

Mr. M. Rubenstein, SPAS

Mod 1	- Major revisions - overrun costs. (FY68 NWER, 2260) Time extension to 4 Oct 68.	\$ 12,633.00
-------	---	--------------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

See to NWER: Sp 7K  
To be Destroyed Jul 80

Brought Forward \$

Total PAID	\$145,695.00
	143,775.81

Performance Completed: 24 Oct 68

CLOSED

20 August 74

REFUND

1,919.19

67-C-0070	Stanford Research Institute	CPIFF (a)(11)
No	Contractor	Contract Type & Authority
	( 15 Mar 67 - 31 Mar 68) (pre-contract fm )	
SUBJECT:	Theory and Computation of the Generation and Propagation of Acoustic-Gravity Waves.	\$ 77,330.00
RAAE		

Mr. Evelyn. RAAE

Mod 1	Time extension to 31 Jul 68.	\$ ----
-------	------------------------------	---------

Mod 2	To correct a typographical error.	\$ ---
-------	-----------------------------------	--------

Mod 3	OH rates for '67	\$ --
-------	------------------	-------

Mod 4	Incorporation of OH rates for ;68	\$ --
-------	-----------------------------------	-------

Mod 5	Funds to cover adjustment in OH rates. 67 NWER HB041 01	\$ 1,046.44
-------	--	-------------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: Sep 72  
To be Des. ed Jul 78

Brought Forward

Total	\$ 78,376.44
PAID:	78,376.44

Performance Completed:

7 Aug 68 (9 Sep 71) **CLOSED**

REFUND: - 0 -

67-C-0071 Union Carbide Corporation

CPFF (a)(11)

No

Contractor

Status

Contract Type  
& Authority

( 1 Jun 67 - 31 Oct 67 ) (pre-contract fm )

SUBJECT: Calculations and analysis of an X-Ray scattering experiment  
SPAS

\$ 31,715.00

Maj A. Lowrey, SPAS

Mod 1

Time extension to ~~1000000000~~ 30 Apr 68.

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to IRCEN: Jan 72

To be Destroyed Jul 74  
23 July 69**CLOSED**

Brought Forward

\$  
\$

Total \$31,715.00

Performance Completed:

1 May 68

Refund: \$ - 0 -

67-C-0072 Shock Hydrodynamics, Inc.

CPFF (a)(11)

No.	Contractor	Status	Contract Type & Authority
	(30 Jan 67 - 31 May 67 ) (pre-contract fm	)	

**SUBJECT:** Hypervelocity Impact Analyses  
SPAS

\$ 13,762.00

HS  
30 Jan 67  
Maj L. Cauthen (Dr. Whitener, RAND Corp-Tech Monitor)

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Brought Forward

\$

\$

Total \$ 13,762.00

PAID: 13,762.00

Performance Completed:

Apr 67

12 Jul 68

REFUND: - 0 -

67-C-0073		Moleculon Research Corporation		CPFF (a)(11)	
No	Contractor	Status	Contract Type & Authority		
	(15 Mar 67 o 31 May 68 ) (pre-contract fm )				
SUBJECT: SPAS		Development of new dosimetry materials and techniques for the MIDI MIST event.		\$ 35,770.00	
8P 20 Mar 67		Lt R. A. Armistead			
Mod 1	Time extension to 30 Aug 68. Change reporting requirements.		\$ ---		
Mod 2	Costs for OH adjustment		\$ 542.67		
Mod 3	Time extension to 30 Nov 69.		\$ --		
Mod 4			\$		
Mod 5			\$		
Mod 6			\$		
Mod 7			\$		
Mod 8			\$		

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward	\$
Total PAID:	\$ 36,312.67
	<u>36,312.67</u>

Performance Completed:

REFUND: - 0 -

5 Nov 69

18 Nov 70

**CLOSED**

67-C-0074	EG&G, Inc.		CPFF (a)(11)
No	Contractor	Status	Contract Type & Authority
	( 2 Apr 67 - 17 Sep 67 ) (pre-contract fm	)	
SUBJECT:	Advanced EMP Simulation Facility		\$ 117,098.00
RAEV			

RA  
0074-147

Maj D. R. Smith RAEV

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: Aug 74  
To be Destroyed Jul 79

Brought Forward \$  
\$

Total \$ 117,098.00  
PAID: 116,134.78

REBUND: 963.22

Performance Completed: 4 Sep 67

(20 Feb 73)

**CLOSED**

67-C-0075	General American Transportation Corporation	CPFF (a)(11)
N <sup>o</sup>	Contractor	Status
	(1 Apr 67 - 28 Feb 68 ) (pre-contract fm )	Contract Type & Authority
SUBJECT:	Blast and Shook Simulation Blast Directing Technique	\$ 66,600.00
STSP		

~~Max box characteristics~~ Mr. Louis J. Belliveau, STSP

Mod 1 Unanticipated expense - broader reaction zone than predicted - \$ 9,350.00  
material costs exceeded -

Mod 2 Time extension to 31 May 69. \$ --

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to ERCEN: Jan 72

To be Destroyed Jul 76

Brought Forward \$

70 Mar 70 **CLOSED**

Total \$175,950.00  
PAID: 75,950.00

Performance Completed: 15 Dec 69

REFUND: - 00 -





0076 Physics International Company

Contractor

Status

Contract Type  
& Authority

(1 Apr 67 - 30 Jun 68 ) (pre-contract fm )

SUBJECT: Studies of Improved High-Explosive Simulation Tests.  
SPSS

\$ 84,444.00

LTC James O. Putnam

Capt Donald H. Gage

~~Capt T. F. O'Brien~~, SPSS (Capt ~~G. G. Leigh~~, WLDC, AFWL-Tech Monitor)

Mod 1	Accomplish a new phase of study to support the DI-HEST development program. (FY68, Subtask 4070) Time extension to 31 Aug 68.	\$ 20,035.00
-------	---	--------------

Mod 2	Time extension 15 Apr 69.	\$ ---
-------	---------------------------	--------

Mod 3	Time extension to 31 Jul 70.	\$ ----
-------	------------------------------	---------

Mod 4	Time extension to 31 Dec 70.	\$ ---
-------	------------------------------	--------

Mod 5	Updating Variance Analyses 69 NWER SD 070 01	\$ 2,996.00
-------	---	-------------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Brought Forward \$

Total	\$ 107,475.00
PAID	<u>105,697.95</u>
REFUND	1777.05

Performance Completed:

**CLOSED**

10 Oct 73

*Dec 76*

*Apr 74*  
*10 Oct 73*

67-C-0077 General American Transportation Corporation

Contractor

Status

Contract Type  
& Authority

( 1 Apr 67 - 15 Dec 67 ) (pre-contract fm )

SUBJECT: Large Scale Tethering Test Detonable Gas Explosion MR 90781A

\$ 93,200.00

STSP

NA 667.10

Maj Choromokos Jr.

Mod 1

Redirection of effort.

\$ ----

Time extension 1 Jan 70

Mod 2

Time extension to 1 Dec 70.

\$ ---

Mod 3

Time extension to 31 Mar 72

\$ ---

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: *Aug 74*  
To be Destroyed *Jul 80*

Brought Forward

\$

**CLOSED***12 Mar 74*Total  
PAID\$ 93,200.00  
92,551.49

REFUND

648.51

Performance Completed:

*Mar 72*

67-C-0078	Cornell Aeronautical Laboratories, Inc.	CPFF (a)(11)
<b>Contractor</b>	<b>Status</b>	<b>Contract Type &amp; Authority</b>
(10 Apr 67 - 10 <sup>Jun</sup> 68) (pre-contract fm )		\$ 97,667.00
<b>SUBJECT:</b> Determine the Angular Scintillation of VHF Radars in an Auroral Environment.		

Mr. Dow E. Evelyn, RAAE

<b>Mod 1</b>	Phase II of efforts . (FY68 NWET/TID, 118HAX532) Time extension to 10 Sep 69.	\$83,550.00
--------------	---	-------------

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: <sup>sep 72</sup>  
To be Destroyed <sup>Jul 78</sup>

Brought Forward

\$

\$

Total \$ 181,217.00

PAID: 181,198.66

REFUND: 18.34

Performance Completed:

7 Mar 72



67-C-0079 Stanford Research Institute

N

Contractor

NP

Status

CPFF (a)(11)

Contract Type  
& Authority

( 1 May 67 - 1 Mar 68 ) (pre-contract fm )

\$ 69,925.00

SUBJECT: Analysis of Time Dependence of X-Ray Environment (C)  
SPAS

LXX Robert A. Armstrong Maj Larson, SPAS

Mod 1

Change in scope of work and Patent Rights Clause  
Time extension to 31 Aug 68

\$ ----

Mod 2

Readjustments of the direction of the work.

\$ --

Mod 3

Additional improvements in Data reduction methods.  
(FY69 NWET/TID - J 11AAXAX504)  
Time Extension 31 ~~Oct 69~~ MAR 70  
OH Rates for '67.

\$ 83,269.00

Mod 4

Incorporation of OH rates for '68

\$ --

Mod 5

No Cost time extension: 15 Dec 70.  
Change in Scope of work.

\$ --

Mod 6

Incorporation of OH rates for 1968 and 70

\$ ---

Mod 7

\$

Mod 8

\$

Sent to FRESEN: Sep 72  
To be Destroyed Jul 78

Brought Forward

\$

\$

Total \$153,194.00

AP PAID: 153,194.00

Performance Completed:

28 Jul 71

(14 Jun 72)

CLOSED

REFUND: - 0 -

67-C-0080	JOHN I. THOMPSON AND COMPANY	SB	FP	(a)(11)
No	Contractor	Status	Contract Type & Authority	
	( 10 Jul 67 - 9 <sup>Sep</sup> Jan 68 ) (pre-contract fm )			
SUBJECT: Library Services, AFERRI (DASA01-67-R-0001, 6 Dec 66)			\$ 13,595.00	
AFERRI				

*h/s*  
Mrs. A. Smith

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Brought Forward

\$

\$

Total

\$ 13,595.00

Performance Completed: *1 Sep 68*

CLOSED: 19 Feb 69

Refund: \$ - 0 -

**CLOSED**

67-C-0081	General Atomic		CPFF (a)(11)
No	Contractor	Status	Contract Type & Authority
	( 15 May 67 - 14 Aug 68) (pre-contract fm	)	
SUBJECT:	Conduct EMP Theoretical Source Term Analysis.		\$ 42,220.00
RAEV			

Maj D. R. Smith, RAEV (Dr. John Darrah, AFWL = Tech Monitor)

Mod 1	Novation agreement	\$ ----
-------	--------------------	---------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FROEN: May 72  
To be Destroyed Jul 77

Brought Forward

Total	\$ 42,220.00
PAID:	42,220.00

Performance Completed:

1 October 1968  
14 Jul 70 **CLOSED**

REFUND: - 0 0-

67-C-0082	Stanford Research Institute	CPFF (a)(11)
Kr	Contractor	Status
	( 25 May 67 - 24 May 68 ) (pre-contract fm )	Contract Type & Authority
<b>SUBJECT:</b>	SRI to act as an advisor to DASA on the WEBS (Weapons effects buoy system) data tape recorder contract, and monitoring field development work	\$29,896.00
<b>RAEV</b>		
	Mr. Peter H. Haas	
<b>Mod 1</b>	Time extension to 24 Jul 68.	\$ --
<b>Mod 2</b>	Time extension to 30 Sep 68.	\$ ----
<b>Mod 3</b>	Evaluate further Tape Recorder Contract Monitor (FY69 NWET K43 BAXEX 613) Time extension to 24 Jul 69. Capt Allen, RAEV	\$ 38,159.00
<b>Mod 4</b>	MIDGET FLY Review (FY69 NWET K43BAXYX907) Time extension to 1 Jan 70 - OH rate '67 Capt Calvard S. Allen, RAEV	\$ 5,980.00
<b>Mod 5</b>	Time extension to 28 Jun 70. Incorporation of OH rates for '68	\$ --
<b>Mod 6</b>	Incorporation of Oh rates for 1969 and 1970	\$ --
<b>Mod 7</b>		\$
<b>Mod 8</b>		\$
Sent to FRESEN: Sep 70 To be Destroyed Jul 78		\$
Brought Forward		\$
<b>Total</b>		\$74,035.00
<b>PAID:</b>		73,612.72
<b>REFUND:</b>		422.28
Performance Completed: 26 June 70 15 Dec 71		

No	Contractor	Status	Contract Type & Authority
	( 28 Apr 67 - 31 Mar 68)	(pre-contract fm )	

SUBJECT: Combat Aircraft Recording and Data Systems (CARDS) \$766,100.00

*Hanks*  
Capt T. P. Bankworth, JTF-2

Mod 1	Changes to CARDS Program Time Extension 19 Apr 68	\$ 64,169.00
-------	--	--------------

Mod 2	Changes to the CARDS Program Time extension to 26 Apr 68.	\$ 49,813.00
-------	--	--------------

Mod 3	Change of appropriation	\$ ----
-------	-------------------------	---------

Mod 4	Change in scope of work. Time extension to 26 May 68.	\$ 76,420.00
-------	--	--------------

Mod 5	Change name on Mods 1 and 2	\$ ---
-------	-----------------------------	--------

Mod 6	Change in scope of work. - additional programming effort for the ground station data. Time extension 31 May 68.	\$ 12,845.00
-------	---	--------------

Mod 7	<del>additional effort</del> Change in scope of work.	\$ 10,948.00
-------	---	--------------

Mod 8	Changes to CARDS Program Time Extension to 22 Jul 68.	\$ 146,764.00
-------	--	---------------

Brought Forward

Total

Performance Completed:

Contract CLOSED:

Refund:

NOV 10 1968

Dec 87

Cont



## (Continuation)

C-0083

North American Aviation

No	Contractor	Status	Contract Type & Authority
	(	(pre-contract fm	)

SUBJECT: CARDS

\$

Mod XX 9 Changes to CARDS Program and extension to Contract  
completion date: 26 August 1968

\$ 2,742.00

Mod 2 10 Novation agreement.

\$

Mod 3 11 Packing and shipment of various items of CARDS equipment.  
Time extension to 30 Sep 69.

\$ 1,498.00

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Total \$ 1,131,299.00

Paid 1,100,647.00

Refund: \$ 30,652.00

Contract Completed: 18 Oct 68

Contract CLOSED: 30 SEP 81

67-C-0084 Westinghouse Electric Corporation

CPFF (a)(11)

Contractor	Status	Contract Type & Authority
( 24 Apr 67 - 15 Sep 67 ) (pre-contract fm )		

SUBJECT: EMP Simulator Study (U)  
RAEY

\$ 128,379.00

Capt allen

~~Max RxxxRxxx~~ (Capt Baum & Lt Kehrer, AFWL - Tech Monitors)

Mod 1	Add'l costs associated with design of the ARES pulser by subcontractors. (1969 NWER LD001 EE 3230)	\$ 3,171.00
-------	---	-------------

Time extension to 31 Jul 70.

Mod 2	Additional funds to cover increase in subcontracts.	\$ 5,612.00
	67 NWER LD 002 01 \$3,831.85	
	68 LD 002 01 \$ 699.20	
	69 LD 002 01 \$1,080.95	

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: SEP 1975	Brought Forward	\$
-------------------------	-----------------	----

To be Destroyed Jul 1981

Total	\$ 137,162.00
PAID	135,573.00

R#FUND	\$ 1,589.00
--------	-------------

Finance Completed:

11 Sep 67

CLOSED

10 Apr 75

67-C-0085 Lockheed Missiles &amp; Space Corp.

CPFF (a)(11)

Contractor

Status

Contract Type  
& Authority

( 5 Jun 67 - 30 Jun 68 ) (pre-contract fm )

\$800,000.00

SUBJECT: Provide the experimental facility for DORSAL FIN  
TC*HS 11 Apr 67*  
*Maj Geo Kubal, T.C.*

Mod 1 Add incremental funding

\$400,000.00

Mod 2 Additional work - on Project 9.7, Operation DORSAL FIN #63.

\$195,976.00

Mod 3 Additional tasks

\$232,024.00

Mod 4 Field changes  
Time extension to 31 Aug 68.

\$16,369.00

Mod 5 Time extension to 15 Nov 68.

\$ --

Mod 6 '67 OH rates

\$ --

Mod 7 Change fee withholding to 5% or \$5,000 whichever is less

\$ ---

Mod 8 1968 OH rates

\$ --

Sent to FRcen: Aug 74  
To be Destroyed Jul 79

Brought Forward

\$  
\$

Total \$1,644,369.00

PAID: 1,635,562.25

REFUND: 8,806.71

Finance Completed:

27 Nov 68

(20 Nov 72)

CLOSED

67-C-0086 Univac Division of Sperry Rand Corporation			
No	Contractor	Status	Contract Type & Authority
	( 1 Jun 67 - 31 Aug 68 ) (pre-contract fm	)	
SUBJECT:	The Design and Development of Equipment Used for the Recording and Retrieval of Transient Electrical Signals.		\$117,609.00
RAEV			
	Capt Allen		
	Lt <del>Charles Caldwell</del> , RAEV (Paul Caldwell, HDL, Tech Monitor)		
Mod 1	Time extension to 31 Oct 68.		\$ --
Mod 2	Time extension to 15 Dec 68.		\$ --
Mod 3	Develop the radiation hardened circuitry necessary to operate an analog film recorder developed by the NOL. (Fy69 NWET K11BAXEX 528) Time extension to 14 Jan 70		\$ 32,569.00
Mod 4	Time extension to 4 May 70.		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
	DESTROYED	Brought Forward	\$
		Total PAID	\$ 150,178.00
			<u>144,762.00</u>
Performance Completed:		REFUND	5,416.00

**CLOSED**

16 Jul 74

COPIES DESTROYED  
JUL 80

May 70

RB  
10 Apr 67

10 Dec 68

13 Jan 70

67-C-0087	Rhodes and Bloxson	SB BR	FP (a)(11)
No	Contractor	Status	Contract Type & Authority
	( 1 May 67 - 31 Aug 67 ) (pre-contract fm )		
SUBJECT: SPAS	Research relating to the erosive effect of dust on re-entry vehicles.		\$ 75,400.00

68  
Aug 67

Mr. M. Rubenstein

Mod 1	Time extension to 1 May 68	\$ --
Mod 2	Time extension to 1 Nov 68.	\$ ---
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: 26 Jan 71  
To be Destroyed Jul 75

Brought Forward	\$
Total	\$ 75,400.00

Performance Completed: Sep 68

22 Apr 64  
**CLOSED**

REFUND: \$722.24

67-C-0088	General Atomic	CPFF (a)(11)
No	Contractor	Contract Type & Authority
	(15 May 67 - 28 Feb 69 ) (pre-contract fm )	\$ 166,563.00
SUBJECT: Gamma Ray Study		
RARP		

Mr. Paul Caldwell, HDL

Mod 1	Novation agreement	\$ ---
Mod 2	Time extension to 15 Jun 69.	\$ ---
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to ERGEN: May 72  
To be destroyed Jul 77

5 Apr 69

**CLOSED**

Brought Forward	\$
Total	\$166,563.00
PAID:	166,563.00

REFUND: - 0 -

Performance Completed:

17 Nov 70

67-C-0089 G. C. Dewey Corp.

CPFF (a)(11)

No.	Contractor	Status	Contract Type & Authority
	(24 Apr 67 - 23 Jul 68) (pre-contract fm )		\$ 97,037.00

SUBJECT: Laboratory Measurements of Absolute Fluorescence Efficiencies in  
RAAE Air Excited by High Energy Electrons.

\$ 97,037.00

LTC Simko, RAAE

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FREEN: *Apr 72*  
To be Destroyed *Jul 78*

Brought Forward \$

Total \$ 97,037.00

PAID: 96,119.09

REFUND: \$917.91

Performance Completed:

24 Feb 72

CLOSED

67-C-0090	MIT		COST (A)(5)
No	Contractor	Status	Contract Type & Authority
	(30 Jun 67 - 31 Aug 68 ) (pre-contract fm	)	
Y ARPA	SUBJECT: Mechanical Properties of Rock of Importance in Decoupling Analysis		\$ 22,700.00
SPSS			

*Q.P. 24 Jun 67*

	LTC Barker, SPSS		
--	------------------	--	--

*Mod 1*

Mod 1	Time extension to 30 Nov 68.		\$ ---
-------	------------------------------	--	--------

*Mod 2*

Mod 2	Time extension to 30 Jun 69. Change OH rates clause.		\$ ---
-------	---	--	--------

Mod 3			\$
-------	--	--	----

Mod 4			\$
-------	--	--	----

Mod 5			\$
-------	--	--	----

Mod 6			\$
-------	--	--	----

Mod 7			\$
-------	--	--	----

Mod 8			\$
-------	--	--	----

Sent to FROEN: *bp 72*  
To be Destroyed *Jul 78*

Brought Forward	\$
-----------------	----

Total	\$ 22,700.00
-------	--------------

PAID:	22,686.11
-------	-----------

REFUND:	13.89
---------	-------

Performance Completed:

*June 1969*

*2 Jun 72*

**CLOSED**



67-C-0091	Bolt Beranek and Newman, Inc.	CPFF (a)(11)
No	Contractor	Status
	(1 May 67 - 29 Feb 68 ) (pre-contract fm )	Contract Type & Authority
SUBJECT:	Revise sections of DASA 1200 and TM 23-200	\$ 29,500.00
STSP		

Maj Cauthen, SPLN (Mr Joseph Petes, NOL, Tech Monitor)

Mod 1 Time extension to 31 May 68. \$ --

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Brought Forward

Total \$ 29,500.00  
PAID: 29,122.51

Performance Completed:

→ 1 May 68 (8 Apr 71)

**CLOSED**

REFUND: \$377.14

67-C-0092	Wallace & Herring Inc.	PRX	FP
No	Contractor	Status	Contract Type & Authority
	(26 Apr 67 - 31 May 67 )	(pre-contract fm )	

SUBJECT: Furnish and install 8 sliding display systems and 3 custom design drafting tables. \$ 3,625.00

Mr. Hodges, PRAD-6

Mod 1 ~~The cover labor and materials for alterations~~ \$ 2,088.00  
 Furnish and install custom design cabinets and counters  
 Time extension to 15 Aug 67.

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: 26 Jan 71  
 To be Destroyed Jul 75

Brought Forward \$

Total \$

Per ance Completed: 4/ Jun 68

Contract CLOSED: 12 Jul 68

Refund: \$

67-C-0093 Martin-Marietta Corp.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(1 May 67 - 9 Oct 67 )	(pre-contract fm )	

SUBJECT: Feasibility study concerning application of the SLEDGE tech- \$ 149,598.00  
SPAS nique to the SPRINT program

Mr. Rubenstein, SPAS

Mod 1 - Time extension to 2 Jan 68

\$ ----

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 74

Brought Forward

\$

Total \$ 149,598.00  
PAID: 147,709.00

Pe: Finance Completed: 1 Jan 68

Contract CLOSED:

Refund: \$ 1,889.00

29 Sep 69 **CLOSED**



67-C-0095	Gulf General Atomic	CPFF (a)(11)
<i>PR</i>	Contractor ( 1 Jun 67 - 1 Apr 68 ) (pre-contract fm N/A )	Contract Type & Authority
SUBJECT:	Experimental and Theoretical Study of Cratering and Wave Motion.	\$ 34,900.00
<i>PR 28 Apr 68</i>		
LTC Lewis L. Reign, SPSS		
<i>PR 28 Mar 68</i>	Mod 1 Additional work (FY68, NWER, RSS 2047) Time extension to 30 Dec 68.	\$ 44,496.00
<i>PR 28 Mar 68</i>	Mod 2 Novation Agreement	\$ ---
<i>PR 28 Mar 68</i>	Mod 3 Change appropriation in Mod P001 - to correct a typographical error Time extension to 30 Mar 69.	\$ ---
<i>PR 28 Mar 68</i>	Mod 4 Time extension to 31 Jul 69.	\$ ---
<i>PR 28 Mar 68</i>	Mod 5 Novation Agreement.	\$ --
<i>PR 28 Mar 68</i>	Mod 6 Time extension to 4 Feb 71.	\$ ---
<i>PR 28 Mar 68</i>	Mod 7	\$
<i>PR 28 Mar 68</i>	Mod 8	\$
Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981		
Brought Forward		\$
Total PAID		\$ 79,396.00 59,470.18
Performance Completed:	REFUND	\$ 19,925.82

*47 Feb 71*  
**CLOSED**

*10 Apr 75*

67-C-0096	Boeing	CPFF (a)(11)
No	Contractor	Contract Type & Authority
( 5 May 67 - 16 Dec 67 ) (pre-contract fm )		
SUBJECT:	Rotation and Tilt of Ground (on Event 6 - Operation DISTANT PLAIN)	\$ 34,805.00
SPSS		

Maj Cauthen, SPSS

Mod 1	Time extension to 15 May 68.	\$ ---
-------	------------------------------	--------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FROEN: FEB 1977  
To be Destroyed Oct 82

Brought Forward

\$  
\$

Pe: ance Completed:

15 May 68

Total	\$ 34,805.00
PAID	33,986.47

Contract CLOSED:

**CLOSED**

15 Sep 75

Refund:	\$ 818.53
---------	-----------

67-C-0097 Kaman Avidyne

CPFF(a)(11)

No Contractor Status  
( 1 May 67 - 2 Oct 67 ) (pre-contract fm 20 Mar 67  
\$15,000.00)

Contract Type  
& Authority

SUBJECT: Study for a SPRINT- Gas Bag Experiment  
SPAS

\$ 62,730.00

Mr. Rubenstein, SPAS

Mod 1 Time extension to 31 Jan 68.

\$ ----

Mod 2 Change of name.

\$ -----

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to INGEN: Sep 74  
To be Destroyed Jul 80

Brought Forward

\$

Performance Completed: 1 Jan 68

Total \$ 62,730.00  
PAID 62,730.00

Contract CLOSED: **CLOSED** 20 Aug 74

Refund: \$ -0-

No	Contractor	Status	Contract Type & Authority
	(12 May 67 - 10 Mar 68)	(pre-contract fm )	

SUBJECT: Revise and u-date the material dealing with the phenomena \$ 23,890.00  
STSP associated with underwater explosions in the TM 23-200.

*2 May 67*  
Capt J. P. Danrow

*30 Dec 68*  
Mod 1 Time extension to 31 Dec 68. \$ --

Mod 2 Time extension to 26 Sep 69. \$ ---

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Per: ce Completed: *26 Sep 69*

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Total \$ 23,890.00  
PAID: 23,890.00

Contract CLOSED:

Refund: \$ - 0 -

*22 Apr 71* **CLOSED**



**SUBJECT:** Explosion Wave Environment on Continental Shelves . \$ 29,622.00  
**STSP**

Ca00cgccpccg0000cc0000c Mr. L. J. Belliveau, STSP

Mod 1	- Added effort	\$ 4,950.00
-------	----------------	-------------

Mod 2	Task II "Experimental Investigation of Breaking Waves"	\$ 59,391.00
	Time extension to 15 Aug 68	

Mod 3	Time extension to 31 Oct 68.	\$	---
	Modiff overhead provision		

Mod 4 2

Mod 5 2

Mod 6 5

Mod 7

Mod 8 \$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

## Brought Forward

**Total      \$ 93,963.00**

PAID: 92,315.40

**Refund: \$ 1,647.60**

**Performance Completed:**

**Contract CLOSED:**

30 Jan 70

# CLOSED

67-C-0100 Accumetrics Corporation

CPFF (a)11)

No Contractor Status  
(5 Jun 67 - 20 Jun 67 ) (pre-contract fm )

Contract Type  
& Authority

SUBJECT: Investigation of X-Ray Sensor Wire Performance  
SPAS

\$ 26,585.00

2 R  
2 May 67  
Lt R. A. Armistead, SPAS

Mod 1 Time extension to 4 Jul 68

\$ --

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Brought Forward

\$

\$

Finance Completed:

Total \$ 26,585.00

Paid 26,580.28

Contract CLOSED:

Refund: \$ 4.72

11 Oct 68  
21 Oct 69  
CLOSED

67-C-  
0101 - 0125

No	Contractor	Status	Contract Type & Authority
	( 8 May 67 - 31 Jul 68 )	(pre-contract fm )	

SUBJECT: RAAE	Systems Implications of Nuclear Effects	\$ 256,888.00
---------------	---	---------------

6P  
May 67  
LTC Jack D. Brown, RAAE

Mod 1	Additional tasks. (FY68 NWER, RHA 5043) Time extension 15 Sep 68.	\$ 36,512.00
-------	---	--------------

Mod 2	Time extension to 1 Apr 69.	\$ -----
-------	-----------------------------	----------

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FRCEN: May 72  
To be Destroyed Jul 77

nce Completed:  
ct CLOSED:

July 69  
13 Oct 70

**CLOSED**

Brought Forward	\$
Total	\$ 293,400.00
PAID:	291,678.57
Refund:	\$ 1,721.43

67-C-0102	Isotopes	Status	FACILITY
No	Contractor		Contract Type & Authority
	( 15 May 67 - 15 May 70)	(pre-contract fm )	
SUBJECT: FACILITIES Contract			\$
Mod 1	Update clauses. Effective 1 May 69.		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FRCEN: Jan 72 To be Destroyed Jul 76			\$
Brought Forward			\$
Total			\$
Refund:			\$
Contract CLOSED:			

Pe- ince Completed:

Contract CLOSED:

15 May 70

**CLOSED**

0103 URS Corporation

CPTF (a)(11)

Contractor

Status

Contract Type

(25 May 67 - 31 Aug 67 ) (pre-contract fm )

&amp; Authority

SUBJECT: Thermal Computer Code.

\$ 6,932.00

SPLN

Maj Cauthen, SPLN

Mod 1 Provide graphs relating thermal radiation and air blast loadings for DASA EM-1 (NWER FY68 , RLN106 Time extension to 7 Jul 68 \$ 4,824.00

Mod 2 Change Scope and extension to 7 Sep 68. \$ -----

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward

\$

Per -ance Completed:

Sent to FROEN: Sep 72  
To be Destroyed Jul 78

Total \$ 11,756.00

PAID: 11,715.14

Contract CLOSED:

Refund: \$ 40.86

14 Jul 71 **CLOSED**

-0104

TRW Systems

CPFF (a)(11)

Contractor

Status

Contract Type  
& Authority

( 1 Jun 67 - 31 Jan 68 ) (pre-contract fm )

SUBJECT: Analysis of shock tube flow fields.  
STSP

\$ 29,435.00

Maj Cauthen, STSP (MR. Petes, NOL, Tech Monitor)

Mod 1 Extension of current effort.  
(FY68 NWER, RLN 6069)  
Time extension to 31 Dec 68.

\$ 35,453.00

Mod 2 Time extension to 31 Mar 69  
Costs for overrun.

\$ 4,008.00

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Pe lance Completed:

31 Mar 69

Sent to FROEN: *Sept*  
To be Destroyed *July 8*

Total \$ 68,896.00

PAID: 68,330.09

Contract CLOSED:

Refund: \$ 565.91

20 Oct 71

20 Oct 71

No	Contractor	Status	Contract Type & Authority
	(1 Jun 67 - 31 Jul 68.)	(pre-contract fm )	

**SUBJECT:** DOUBLE BARREL \$1,235,791.00  
 TC Provide vacuum pipe, test chambers, sample protection systems,  
 Tunnel & Pipe Seal units, & necessary ancillary support for  
 the DOUBLE BARREL test.  
 CDR A. C. O'Leary Jr. TC

Mod 1 Operation MING VASE - additional work \$ 321,428.00  
 Time extension to 31 Dec 68.

Mod 2 Additional tasks \$ 65,536.00  
 Time extension to May 69.

Mod 3 67 OH rates \$ --  
 Modify fixed fee withholdings provision  
 Time extension to 15 Oct 69.

Mod 4 Decrease amount of funds \$ 15,000.00 (Decrease)

Mod 5 Incorporation of OH rates for 1968. \$ --

Mod 6 \$

Mod 7 \$

Mod 8 \$

		Brought Forward	\$
		Total	\$ 1,607,755.00
		PAID:	1,594,698.20
		Refund:	\$ 13,056.80

Pe

ance Completed:

30 Oct 69

Sent to FRGEN: Aug 79  
 To be Destroyed Jul 79

Contract CLOSED:

20 Nov 72

CLOSED



67-C-0106 General American Transportation Corp.

No	Contractor	Status	Contract Type & Authority
	( Jan 68 )	(pre-contract fm )	99,000.00

SUBJECT: Detonable Gas Explosion Rerun of Event 2 Operation DISTANT \$  
STSP PLAIN

Mr. Kelso (Mr. Doherty, AF Cambridge RES Lab (Tech Monitor)

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Total \$

Per vance Completed:

Contract CLOSED:

Refund: \$

67-C-0107 Pan-Fax, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(23 May 67- 23 Dec 67 )	(pre-contract fm )	

**SUBJECT:** Analysis of a Flying-Spot Scanner as a Film Densitometer **\$ 45,357.00**

RAAE

Fitz  
LTC ~~Simms~~, RAAE

**Mod 1** Extended Scope of Work **\$ 6,777.00**

**Mod 2** Additional funds for overrun due to OH adjustment. **\$ 22,483.26**

**Mod 3** \$

**Mod 4** \$

**Mod 5** \$

**Mod 6** \$

**Mod 7** \$

**Mod 8** \$

Sent to FRCEN: Jan 72  
To be Destroyed Jul 76

Brought Forward

\$

Performance Completed:

11 Apr 68

Total \$ 74,617.26

Paid: 74,617.26

Contract CLOSED:

8 Jan 70

Refund: \$ - 0 -

108 GCA Corporation

CPFF (a)(11)

Contractor

Status

Contract Type

(12 Jun 67 - 11 Sep 68) (pre-contract fm N/A )

&amp; Authority

SUBJECT: Field Measurements and Analysis of Upper Atmosphere Air  
RAAE Motion

\$ 37,915.00

~~12XANXXXXXNXXSXXXXXRAAE~~ Dr. Blank, RAAE

Mod 1 Continuation of optical measurements and maintenance of  
Project 6.6 MIGHTY SKY photometric equipment.  
Additional scope of work

\$ 19,237.00

Mod 2 Time extension to 31 Mar 69.

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to ERGEN: Sep 72  
To be Destroyed Jul 78

Brought Forward

\$

\$

Pe. ance Completed:

31 March 69

Total \$ 57,152.00

PAID: 55,997.25

Contract CLOSED:

Refund: \$ 1,154.75

14 Apr 72

**CLOSED**

No	Contractor	Status	Contract Type & Authority
	(1 Jun 67 - 16 Oct 67 )	(pre-contract fm )	

24 Aug 73  
 SUBJECT: Data Analysis Effort.

\$ 9,500.00

RAAE Engineering services to analyze data obtained and reduced under DASA contract -306.

Mr. Dow E. Evelyn, RAAE

18  
 21 Aug 73  
 Mod 1

Funds for anticipated costs - Final Report Waived.  
 Time extension 29 Feb 68.  
 (FY68 NWER, RHA 5043)

\$ 3,950.00

12  
 23 Aug 73  
 Mod 2

Oh adjustment  
 67 NWER HA 001 06

\$ 399.16

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to GREEN: 1 Sep 74  
 To be Destroyed Jul 80

Brought Forward

\$

\$

Finance Completed: 29 Feb 1968

Total PAID \$13,849.16  
13,849.16

Contract CLOSED:

Refund: \$ -0-

**CLOSED**  
 5 Dec 73

67-C-0110 Stanford Research Institute

No.	Contractor	Status	Contract Type & Authority
	(25 May 67 - 30 Nov 68 )	(pre-contract fm )	
SUBJECT: Provide dosimetric support for MILK SHAKE. RAEV			\$ 334,165.00

Maj Ellen M. Hippeli, TC (Mr. Robert Lamb, HDL, Tech Monitor)

Mod 1	Additional funds Time Extension to 31 Mar 69.	\$ 85,113.00
-------	--	--------------

Mod 2	OH rates for '67	\$ --
-------	------------------	-------

Mod 3	Time extension to 12 Aug 70. Incorporation of OH rates for '68 <del>and '69</del>	\$ ----
-------	--	---------

Mod 4	Incorporation of OH rates for '69 and '70	\$
-------	---	----

Mod 5	Increase in OH Rates	\$ \$5,407.00
-------	----------------------	---------------

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Brought Forward

\$

Contract Completed:

Total	\$ 424,685.00
PAID	<u>424,685.00</u>

Contract CLOSED:

Refund: \$ -0-

12 Aug 70  
2 Apr 74  
CLOSED

57-C-0111	Kaman Nuclear	CPFF (a)(11)	
No	Contractor	Status	Contract Type & Authority
	( 12 Jun 67 - 29 Feb 68)	(pre-contract fm )	
SUBJECT: A Portable, multipurpose blast instrumentation system			\$ 49,110.00
STSP			
Maj Lewis J. Cauthen, Jr., SPLN			
Mod 1	Air Speed instrumentation of DASACON Shock Tube. Time extension to 30 Nov 68. (FY68 NWET/TID 11 BLNX111)		\$ 31,345.00
Mod 2	Change of name.		\$ ----
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Per:      ance Completed:

Contract CLOSED:

Brought Forward

Total \$ 80,455.00

PAID: 80,455.00

Refund: \$ - 0 -

Sent to [unclear] Sep 72  
To be Destroyed Jul 78  
26 May 70

19 Jan 72

**CLOSED**

No	Contractor	Status	Contract Type & Authority
	( 15 Jun 67 - 15 Sep 68 )	(pre-contract fm )	
SUBJECT: SPSS	Obtain experimental Hugoniot Equation of State Points at Very High Pressures		\$ 133,387.00
GP 20 May 69	Lt. J. Isenberg, SPSS		
Mod 1	Time extension to 15 Mar 69.		\$ ---
11/2/69			
Mod 2	Time extension to 15 Nov 69. 70 NWER SB 047 05		\$ ---
11/2/69			
Mod 3	Additional funds for cost growth. Time extension to 31 May 70.		\$ 17,561.00
11/2/69			
Mod 4	Cost Growth DH 0000110-68		\$ 3,331.87
11/2/69			
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Brought Forward			\$
Per	ance Completed:	30 Sept 70	Total \$154,279.87
Contract CLOSED:	5 AUG 85		PAID: 154,279.87
			Refund: \$ - 0 -

67-C-0113

Maxwell Laboratories, Inc.

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	( 12 Jun 67 - 12 Dec 67 )	(pre-contract fm )	

SUBJECT: 1 Megavolt System (Pulser)  
RARP

\$ 75,780.00

Lt Budny

Mod 1 Overrun costs for unanticipated development costs and increase in overhead.  
Time extension to 14 Jun 68. \$ 31,338.00

Mod 2 Unanticipated costs for final construction of the pulser.  
Time extension 31 Dec 68.  
(FY68 NWER RRL 1013 and FY67 08.013) \$ 46,222.00

Mod 3 Additional costs for adjustment <sup>in</sup> OH rates  
(67NWER LA 0130 1 \$13,723.50 & 68NWER LA 0130 1 \$3,222.50) \$ 16,946.00

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Per nance Completed:

Contract CLOSED:

Sent to FRECN: May 72  
To be Destroyed Jul 77

Brought Forward

Total \$ 170,256.00

PAID: 170,256.00

Refund: \$ - 0 0

CLOSED

9 Jul 70



67-C-0118 <sup>4</sup> Physics International Company  
 No Contractor Status Contract Type  
 (1 Jun 67 - 15 Jan 68 ) (pre-contract fm ) & Authority

SUBJECT: 4 Megavolt system (pulser) \$ 109,680.00  
 RARP

~~XXXXXXXXXX~~ LTJg Jonathan M. Wachtel, RAEV

Mod 1 Installation of flanges for mounting voltage monitoring \$ 859.00  
 devices on the 4 MeV pulse charging system which is near  
 completion .  
 Time extension to 15 Feb 68.

Mod 2 Costs overrun. \$ 1,506.00  
 (FY67 NWER, 08.013)

Mod 3 Procurement of pulse charger \$ 4,670.00  
 (FY69 NWER, LA 013)  
 (Notice of Award extended contract to 3 May 68, but definitized  
 Mod did not.)

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: Jan 72  
 To be Destroyed Jul 76

Brought Forward \$

Total \$ 116,715.00

PAID: 116,158.76

Refund: \$ 556.24

Per ance Completed: 1 April 1968

Contract CLOSED:

18 Feb 70

CLOSED

No	Contractor	Status	Contract Type & Authority
	(15 Jun 67 - 14 Sep 68 )	(pre-contract fm )	

SUBJECT: Line-Of-Sight Pipe Systems for Project MILK SHAKE

\$ 500,000.00

TC

Col John A. R. Bower, TC

Mod 1	- Adding second incremental funding for research and related services to perform LOS Pipe Diagnostics for Project MILK SHAKE.	\$ 300,000.00
-------	---	---------------

Mod 2	Trailer Shock Mount Study and Tower Shock mount Studies	\$ 284,700.00
-------	---	---------------

Mod 3	Adjustments caused by slippage in the execution of event. Time extension to 14 Nov 68.	\$ 64,180.00
-------	--	--------------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to WOOD: Sep 74

To be Destroyed Jul 80

Brought Forward

\$

\$

Per ice Completed:

31 Dec 68

Total PAID

\$ 1,148,880.00

1,139,504.12

Contract CLOSED:

Refund:

\$ 9,375.88

**CLOSED**

29 Nov 73

67-C-0116	Physics International Company	CPFF (a)(11)
No	Contractor	Status
	(1 May 67 - 31 Aug 67 )	(pre-contract fm )
		Contract Type & Authority

SUBJECT: Calculations of a free-field ground shock for the 1.5M+ surface burst on granite and JOHNNY BOY Event. \$ 40,784.00  
SPSS

~~XXXXXXXXXXXX~~ SPSS Maj Mosteller, Jr.

Mod 1 Provide prediction calculations for free-field ground motions in layered and nonlayered media. \$ 149,309.00  
Time extension to 31 Aug 68

Mod 2 Prediction Calculations for NEST, Cratering, and Free Field Ground Motion. \$ 124,020.00  
(FY68 NWER, RSS 2047)  
Time extension to 1 Mar 69.

Mod 3 Modify technical scope \$ 199,260.00  
(FY69 NWER, SB047)  
Time extension to 2 May 70.

Mod 4 Additional work \$ 74,615.00  
(FY69 NWER SB 047)  
Time extension to 2 May 70.

Mod 5 Modify the technical scope and funding level. \$ 15,110.00  
(FY69 NWER SB047)

Mod 6 Time extension to 31 Mar 71. \$ ---

Mod 7 Additional <sup>funds</sup> ~~costs~~ to cover OH adjustment. \$ 3,320.00  
X NWER SB047 24

Mod 8 \$

Sent to PROSP: Sep 74  
To be Paid: Jul 80

Brought Forward \$

Pe nce Completed:

Total \$ 606,418.00  
PAID 604,605.90

Contract CLOSED:

Refund: \$ 1,812.10

CLOSED 23 apr 74

67-C-0117 Moleculon Research Corporation

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(7 Jun 67 - 6 Sep 68 )	(pre-contract in )	

SUBJECT: Dosimetry for MILK SHAKE  
RAEV

\$ 152,101.00

Maj Ellen M. Hippeli, TC (1/Lt V.W. Slivinsky, TC, TDYAFWL, TechMon)

Mod 1 Time extension to <sup>31 Dec</sup>~~30 Nov~~ 68.

\$ ----

Mod 2 Overhead adjustment

\$ 1,686.33

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Per ance Completed: 4 Dec 69

Contract CLOSED:

Brought Forward

Total \$ 153,787.33  
PAID: 153,787.33

Refund: \$ - 0 -

21 Aug 70 **CLOSED**

67-C-0118 AVCO Corporation

No	Contractor	Status	Contract Type & Authority
	(15 Jun 67 - 15 Sep 68)	(pre-contract fm )	
SUBJECT: SPAS	Experimental Studies to Evaluate Chaff Vulnerability and Hardening (U)		\$ 199,999.00
	Maj Loren C. Logie, SPAS		
Mod 1	Increase the work scope to include participation on the MING VASE underground nuclear test. <del>TIME EXTENSION</del>		\$ 25,676.00
Mod 2	Provide assistance and recommendations of AVCO SSD in matters relating to chaff vulnerability & chaff research Program. RAS 2260 (FY68)		\$ 6,532.00
Mod 3	Time extension to <del>15 Oct 68</del> <sup>28 Feb 69</sup>		\$ ----
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8	Sent to SPAS: <sup>Aug 74</sup> To be destroyed <sup>Jul 80</sup>		\$
Brought Forward			\$
Performance Completed:	<sup>Jan 69</sup>	Total PAID	\$ 232,207.00
Contract CLOSED:		Refund:	\$ -0-

CLOSED

12 Feb 74

No	Contractor	Status	Contract Type & Authority
	(2 Jun 67 - 2 Sep 68 )	(pre-contract fm )	

SUBJECT: Experimental Facility for HUDSON SEAL

\$ 1,304,203.00

LTC John H. Vanston, TC.  
 CDR D.D. Swift, TC (CDR D.D. Swift (Tech Mon))

Mod 1	Changes and improvements to the HUDSON SEAL Program. Time extension to 28 Feb 69.	\$ 398,904.00
-------	--	---------------

Mod 2	Additional scope of work.	\$ 192,309.00
-------	---------------------------	---------------

Mod 3	Design and provide a filter catcher ...additional work.	\$ 90,573.00
-------	---	--------------

Mod 4	Post shot analysis of filter catcher - Additional work on Operation HUDSON SEAL	\$ 7,960.00
-------	--	-------------

Mod 5	Additional <del>xxx</del> funds necessary primarily for OH adjustment Time extension to 31 May 69.	\$ 14,468.00
-------	---	--------------

Mod 6	'67 OH rates Time extension to 22 Aug 69	\$ --
-------	---	-------

Mod 7	Incorporation of OH rates for 1968.	\$ --
-------	-------------------------------------	-------

Mod 8		\$
-------	--	----

Pe. lance Completed: 22 Aug 69

Contract CLOSED:

1D-072

Sent to FROEN.  
To be Destroyed

CLOSED

Brought Forward

aug 74  
 Total \$ 2,008,417.00  
 PAID: - 2,001,134.95  
 7,282.05  
 sale of property 100.00  
 Refund: \$ 7,382.05

17-C-0120 Stanford Research Institute		CPFF (a)(11)	
No	Contractor	Status	Contract Type & Authority
	(15 Jun 67 - 30 Jun 68 )	(pre-contract fm )	
SUBJECT: Quick Response Nuclear Effects Measurements System .			\$ 100,713.00
TC			
Dr. Benjamin Grote, TC			
Mod 1	Monitoring Instrument Trailer Shock Mount System on DORSAL FIN and MILK SHAKE.		\$ 13,741.00
Mod 2	Additional work Time Extension to 30 Jun 69.		\$ 14,627.00
Mod 3	OH rates for '67		\$ ---
Mod 4	additional funds to cover overrun.		\$ 5,477.00
Mod 5	Incorporation of OH rates for '68 and '69		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$

Brought Forward

\$  
\$

Per ance Completed:

Contract CLOSED:

Sent to FRCEN: May 72  
To be Destroyed Jul 77

Total \$ 134,558.00  
PAID: 134,531.79

Refund: \$ 26.21

**CLOSED**

17 Dec 70

No	Contractor	Status	Contract Type & Authority
	( 23 May 67 - 31 Aug 68 )	(pre-contract fm )	

SUBJECT:  
SPAS(STSP)

Stemming and Containment Diagnostics for DORSAL FIN

\$ 35,000.00

*111*  
*20 Nov 67*  
Capt Alvin T. Schiff, TC

*May Halley N. Craig*

Mod 1

adding final incremental funding for providing stemming  
and containment diagnostics for Operation DORSAL FIN,  
Project 9.62

\$183,835.00

*10 May 68*  
Mod 2

Expanded and revised Plan of instrumentation for DORSAL FIN. \$ 75,185.00

*415*  
*4 Dec 68*  
Mod 3

Time extension to 30 Nov 68.  
Delete inapplicable clauses.

\$ ----

*10 May 69*  
Mod 4

Time extension to 30 Jun 69..  
OH rates for '67

\$ ---

*11 May 69*  
Mod 5

Incorporation of OH rates for '68

\$ --

Mod 6

Decrease funds due to underrun.

\$ 48,000.00 (decrea

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Per: ance Completed:

*3 July 69* Sent to ERSEN: May 72  
To be completed Jul 77

Total

\$ 246,020.00

PAID:

245,833.48

Contract CLOSED:

Refund:

\$ 186.52

18 Dec 70

**CLOSED**



No	Contractor	Status	Contract Type & Authority
	(5 Jun 67 - 4 <del>Mar</del> 68 )	(pre-contract fm )	
SUBJECT: Development of Ovonic Circuits RAEV			\$ 36,477.00
Maj John J. McGee, Jr. (Mr. Norman J. Berg, HDL, Tech Monitor)			
Mod 1	Change Specification. Time Extension to 4 Sep 68		\$ ----
Mod 2	Reduction in scope of work - Completion date 11 Feb 69.		- \$ 2,361.00 (DECREASE)
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FRGEN: Jan 72 To be Destroyed Jul 76			
Brought Forward			\$
Total			\$ 29,116.00
PAID:			28,636.00
Refund:			\$ 480.00
Contract CLOSED:			

117 at 69  
8 Apr 70  
**CLOSED**

67-A-0123 Battelle Memorial Institute

No	Contractor	Status	Contract Type & Authority
	(12 Jun 67 - 12 Jun 68)	(pre-contract fm )	
SUBJECT:	Supplement to the Operation of the Radiation Effects Information Center (REIC).		\$ 100,000.00
RAEV			
	Maj Carleton H. Jones, Jr., RAEV	(ceiling \$100,000.00)	
Mod 1	<del>Change</del> Add Division to Contractor's name.	\$	----
Mod 2	Time extension to 12 Jun 69.	\$	---
Mod 3	Increase the ceiling	\$	75,000.00
Mod 4	Time extension to 31 Dec 69	\$	----
Mod 5	Time extension to 10 Apr 70. Change "audited" to "negotiated" clause.	\$	---
Mod 6		\$	
Mod 7		\$	
Mod 8		\$	
		Brought Forward	\$
Performance Completed:	1 Mar 73	Total	\$ 174,155.00
		PAID:	173,760.00
Contract CLOSED:	30 SEP 77	Refund:	\$ 395.00

Performance Completed:

1 Mar 73

Contract CLOSED: 30 SEP 77

Sent to ERGEN: Dec 77  
To be Logged Oct 83

## Battelle Memorial Institute

## TASK ORDERS

Contractor

Status

Contract Type  
& Authority

(

)

(pre-contract fm

)

SUBJECT:

\$

<b>T/O</b> <b>Mod 1</b> \$7,350.00 " P001 add division name " P002 \$550.00 " P003 \$13,760.00	P004 - extend to <sup>27 May 69</sup> 31 Jul 68 \$ P005 - Time extension 31 Jul 69 P006 - " " 30 Sep 69 P007: \$300 time extension to 10 May 70
<b>T/O</b> <b>Mod 2</b> \$705.00 " P001 add division name "	\$
<b>T/O</b> <b>Mod 3</b> \$26,870.00 " P001 add division name " P002 \$164.00 " P003 \$6,440.00	P004 change appropriation P005 new completion date = 31 Jul 68
<b>T/O</b> <b>Mod 4</b> \$10,658.00 " P001 change delivery dates P002 \$10,055.00 P003 \$6,180.00 time extension 12 Jan 71 <sup>15 Apr 71</sup> <sup>15 Aug 71</sup>	P004 Time extension to 15 Apr 71.
<b>T/O</b> <b>Mod 5</b> \$26,600.00 " P001 time extension to 15 Jul 69	\$
<b>T/O</b> <b>Mod 6</b> \$45,511.00 P001 time extension 2 Feb 70 P002 \$19,012 time ext to 2 Sep 70	\$
<b>Mod 7</b>	\$
<b>Mod 8</b>	\$
Brought Forward \$	
Total \$	
Performance Completed:	
Contract CLOSED:	
Refund: \$	

67-C-0124 Stanford Research Institute		CPFF (a)(11)
No	Contractor	Status
(16 Jun 67 - 30 Sep 68) (pre-contract fm )		Contract Type & Authority
<b>SUBJECT:</b> Active and passive measurement of the time and spectral distribution of the DORSAL FIN output. <b>SPAS</b>		\$ 84,000.00
MS 27 May 67 John D. Paull Capt <del>John D. Paull</del> , TC (1/Lt V. W. Slivinsky-Tech Monitor)		
Mod 1	adding final incremental funding for diagnostic experiments, Operation DORSAL FIN, Project 8.51	\$ 335,915.00
Mod 2	Increase scope of work.	\$79,718.00
Mod 3	Time extension to 31 Jan 69.	\$ ---
Mod 4	OH rates for '67	\$ ---
Mod 5	Time extension to 30 Jun 69.	\$ --
Mod 6	Incorporation of OH rates for '68 and '69	\$ --
Mod 7	additional funds to adjust OH rates. Time extension to 30 Jun 71	\$ 2,440.99
Mod 8		\$
Sent to FRCEN: Aug 74 To be Destroyed Jul 79		Brought Forward \$ Total \$ 502,073.99 PAID: 500,184.40 Refund: \$ 1,889.59
Per ance Completed: Contract CLOSED:		

30 June 69

21 Feb 73

CLOSED

67-C-0125 Moleculon Research Corporation

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(15 Jun 67 - 30 Jun 68)	(pre-contract fm )	

*CPFF*

SUBJECT: Dosimetry for DORSAL FIN  
SPAS

\$ 30,000.00

*CPFF*

Capt Schiff, TC (1/Lt Slivinsky-Tech Monitor)

*CPFF*

Mod 1 TB complete funding of Contract to Negotiated Cost

\$118,783.00

*CPFF*

Mod 2 Funds for purchase of safes per Industrial Security Manual.

\$ 4,231.00

*CPFF*

Mod 3 Time extension to 30 Nov 68.

\$ ----

*CPFF*

Mod 4 Overhead adjustment.

\$ 1,980.63

*CPFF*

Mod 5

\$

*CPFF*

Mod 6

\$

*CPFF*

Mod 7

\$

*CPFF*

Mod 8

\$

Sent to FRCEN: *May 72*  
To be Destroyed *Jul 77*

Brought Forward

\$

\$

Total \$ 154,994.63

PAID: 154,994.63

Per *ance* Completed: *8 Oct 68*

Refund: \$ - 0 -

Contract CLOSED:

*21 Aug 70*

CLOSED

67-C-  
0126 - 0141

No	Contractor	Status	Contract Type & Authority
	(14 Jun 67 - 13 Sep 68 )	(pre-contract fm )	

SUBJECT: Output Diagnostics for DOUBLE BARREL  
SPAS

\$ 359,699.00

CDR A. C. O'Leary, Jr. TC

Mod 1 Time extension to 1 August 1969

\$ --

Mod 2 Oh rates for '67

\$ ---

Mod 3 Revision and Summary of Output Diagnostics for MING VASE.

\$ 151,548.00

Mod 4 Additional costs for overrun  
(XAX873 - 01)

\$ , 11,010.00

Time extension to 25 Aug 69.

Mod 5 Incorporation of OH rates for '68

\$ --

Mod 6 Incorporation of OH rates for 1969

\$ --

Mod 7 Additional funds to cover allowable OH adjustment of SRI's  
subcontract with EG&G  
NWET J32HAXAX873 01

\$ 1,329.73

Mod 8

Sent to FRECEN:  
To be DestroyedSep 74  
Jul 80

\$

Brought Forward

\$

Pe ce Completed:

21 Oct 69

Total

\$ 523,586.73

PAID

523,586.73

Contract CLOSED:

Refund:

\$ -0-

CLOSED

3 Oct 73

No	Contractor	Status	Contract Type & Authority
	(1 Jun 67 - 31 Dec 68 )	(pre-contract fml Mar 67 ) (\$1,000.00)	

SUBJECT: Stemming and Containment Diagnostics for HUDSON SEAL  
SPAS

\$ 224,791.00

Maj D. L. Miller

~~Gen. D. P. Randle~~, TC (Dr. C. Dismukes, GA, Tech Monitor)

Mod 1 Additional tasks and increased and improved instrumentation. \$122,292.00  
Time extension to 28 Feb 69.

Mod 2 OH rates for '67

\$ ---

Mod 3 Time extension to 13 Jan 70.  
Incorporation of OH rates for FY 1968.

\$ ---

Mod 4 Incorporation of OH rates for 1969 and 1970.

\$ ---

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: Sep 72

To be Destroyed Jul 78

Brought Forward

\$

\$

Per ance Completed:

Total \$ 347,083.00

PAID: 343,389.91

Contract CLOSED:

Refund: \$ 3,693.09

23 Dec 71



67-C-0128 Stanford Research Institute

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(13 Jun 67 - 13 Jun 68 )	(pre-contract fm )	

SUBJECT: Research of induced activities in Fallout  
RARP

\$ 48,389.00

*6 June 67*  
LCDR J. W. Cane, RARP

*29 May 68*  
Mod 1 Time extension to 13 Nov 68

\$ --

*13 25 Oct 68*  
Mod 2 Time extension to 15 Dec 68.

\$ ---

*13 27 Nov 68*  
Mod 3 Time extension to 10 Apr 69.  
OH rates for '67

\$ ---

*13 27 Nov 68*  
Mod 4 Incorporation of OH rates for '68 and '69

\$ ---

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FREEDOM May 72

To be Destroyed Jul 77

Brought Forward

\$

\$

Perance Completed:

~~20 Feb 69~~ 20 Feb 69

Total \$ 48,389.00

PAID: 48,389.00

Contract CLOSED:

Refund: \$ - 0 -

25 Feb 71 **CLOSED**

No	Contractor	Status	Contract Type & Authority
	(15 Jun 67 - 14 Sep 68 )	(pre-contract fm )	

SUBJECT: Dosimetry experiments on HUPMOBILE Event.

\$ 76,389.00

SPAS

Lt. R. A. Armistead, SPAS

Mod 1 Discontinue all work - and initiate action to recover funds - \$ 41,625.00(decrease remaining in the subject contract.  
Reduce contract completion date to 16 Feb 68.

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRECEN: Jan 72  
To be Destroyed Jul 76

Brought Forward \$

Total \$ 35,264.00

Performance Completed:

Contract CLOSED:

Refund: \$ - 0 -

27 May 68  
21 Oct 69

67-C-0130 General Atomic/Gen Dynamics

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(15 Jun 67 - 14 Sep 68)	(pre-contract fm )	

SUBJECT: Investigation of early-time nuclear weapons phenomena (U)  
RARP

\$ 198,694.00

~~LTC Reinhardt, RARP~~

Mod 1 Conclusion of work in Compton Scattering which is beyond the scope of initial contract.  
Decrease in duration of contract to 30 Jul 68.

\$ 11,830.00

Mod 3 Time extension to 31 Oct 68.

\$ ----

Mod 2 Novation agreement

\$ ---

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

Performance Completed:

Contract CLOSED:

Total

PAID:

Refund:

\$ 210,524.00

\$ 210,524.00

\$ - 0 -

13 Nov 70

CLOSED

Sent to FROEN: May 72  
To be Destroyed Jul 77

No	Contractor	Status	Contract Type & Authority
	(15 Jun 67 - 30 Sep 68)	(pre-contract fm N/A)	

SUBJECT: Laboratory Study of High Altitude Debris Expansion (AERLP 684) \$ 223,730.00  
RAAE

60  
13 Dec 67

LTC Clyde C. Reynolds, RAAE

Mod 1 To determine the physical coupling mechanism of the debris \$ 212,918.00  
interacting with the ambient air.  
(FY 68 NWER, RHA 3040)  
Time extension to 30 Sep 69.

Mod 2 Continuation of the research program. \$ 49,585.00  
(FY70 HC 040 02)  
Time extension to 31 Mar 71.

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to ERGEN: FEB 1977

To be destroyed later  
Brought Forward \$

Per re Completed:

Total \$ 486,233.00  
PAID 480,896.41

Contract CLOSED:

**CLOSED**

Refund: \$ 5,336.59

15 Dec 70  
15 Aug 75

67-C-0132 Philco-Ford Corporation

CPFF (A)(11)

No	Contractor	Status	Contract Type & Authority
C	(20 Jun 67 - 19 Aug 68)	(pre-contract fm )	

**SUBJECT:** Particle Impaction Studies  
 SPAS

\$ 62,329.00

Mr. Morton Rubenstein, SPAS

Mod 1 Overhead adjustments.

\$ 4,039.00

Mod 2 Incorporation of OH rates for '67 and '68

\$ ---

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: May 72  
 To be Destroyed Jul 77

Brought Forward

\$

\$

Per-ance Completed:

19 Aug 68

Total \$ 66,368.00

PAID: 66,007.00

Contract CLOSED:

Refund: \$ 361.00

11 Jun 71

**CLOSED**

67-C-0133 Boeing

No	Contractor	Status	Contract Type & Authority
	(30 Jun 67 - 29 Feb 68)	(pre-contract fm )	

SUBJECT: Response of RV Materials and Systems to Radiation(U) \$170,748.00  
 SPAS

Mr. Morton J. Rubenstein, SPAS

Mod 1 Additional Technical Effort \$ 16,323.00  
 Support TROIKA Program. (FY68 NWER, Subtask 2201)  
 Time extension to 30 Nov 68.  
 Maj Lowrey, SPAS

Mod 2 Time extension to 28 Feb 69. \$ ---  
 Change reporting requirements.

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FROEN: FEB 1977

To be Destroyed Oct 82  
 Brought Forward \$

Performance Completed: 28 Feb 69

Total \$187,071.00  
 PAID 185,668.99

Contract CLOSED:

**CLOSED** 31 Jul 75

Refund: \$ 1,402.01

67-C-0134 Wolf Research and Development Corp.		CPFF (a)(11)
No	Contractor	Status
	(15 Jun 67 - 31 Jul 67 )	(pre-contract fm )
		Contract Type & Authority

SUBJECT: Monitoring TEL TRACK Data Acquisition and Reduction at Eglin JTF-8 Air Force Base, Florida. \$ 4,854.00

LTC Joseph W. Linn, JTF-8

Mod 1	Time extension to 15 Aug 67	\$ ---
-------	-----------------------------	--------

Mod 2		\$
-------	--	----

Mod 3		\$
-------	--	----

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Sent to FROEN: *Sept 72*  
To be Destroyed *Jul 78*

Brought Forward

\$  
\$

Total

\$ 4,854.00

PAID:

4,593.95

Per: 'ance Completed: 15 Aug 67

Contract CLOSED:

Refund:

\$ 260.05

16 Mar 72

**CLOSED**

67-C-0135 Boeing

No	Contractor	Status	Contract Type & Authority
	( 30 Jun 67 - 31 Dec 67 )	(pre-contract fm )	

SUBJECT: Parametric Study of Special Problems in Chaff Vulnerability(U)\$11,015.00  
SPAS

6P  
15 Jan 67  
Maj Loren C. Logie

Mod 1 Time extension to ~~30 Jan 68~~ <sup>1 Jun 68</sup>

\$ ---

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

SEP 1975

Sent to FRCEN:

To be Destroyed

Brought Forward

\$

\$

Performance Completed: 31 May 68

Total \$ 11,015.00

PAID 10,745.37

Contract CLOSED:

**CLOSED**

14 May 75

Refund: \$ 269.63



67-C-0136 Univ of Calif

Cost (a)(5)

No	Contractor	Status	Contract Type & Authority
	( 16 Jun 67 - 1 Aug 68 )	(pre-contract fm )	

SUBJECT: Neurophysiological and Behavioral Effects of Incidental  
STMD Irradiation of 'Normal' Humans

\$ 38,448.00

LR  
16 Jan 67  
LTC William R. Godden, STMD

Mod 1 Time extension to 31 Jan 69.

\$ ---

Mod 2 Decrease funding.

- \$ 5,000.00 (Decrease

Mod 3 Time extension to 1 Sep 69.

\$ ---

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: Sep 72  
To be Destroyed Jul 78  
97 Oct 70

Finance Completed:

Contract CLOSED:

Brought Forward

\$

\$

Total \$ 33,448.00

PAID: 32,146.39

Refund: \$ 1,301.61

23 Dec 71

No	Contractor	Status	Contract Type & Authority
	( 1 Jul 67 - 31 Mar 68 )	(pre-contract fm )	
SUBJECT:	Analysis of High Altitude Bomb Debris Phenomena.		\$ 14,500.00
RAAE	(Continuation of work under Cont-XZ-196)		
LTC Andrew M. Simko, RAAE			
Mod 1	Theoretical investigation of the dynamics of the debris air bubble and a comparison of results Time extension to 31 Jul 68.		\$ 20,000.00
Mod 2	Additional funds for OH adjustments. 70 NWET X 607 01		\$ 2,434.19
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FREEM: May 72 To be Destroyed Jul 77			\$
Brought Forward			\$
Total			\$ 36,934.19
PAID:			36,934.19
Refund:			\$ - 0 -
Contract CLOSED:			

Per nance Completed: 28 Aug 68

Contract CLOSED:

230670 **CLOSED**

No	Contractor	Status	CEEF (a)(11) Contract Type & Authority
	(23 Jun 67 - 30 Jun 68 )	(pre-contract fm 15 May 67) (\$10,000.00)	
SUBJECT: Design studies related to Tunnel and Pipe Seals (TAPS) For SPAS (T.C.) underground nuclear tests.			\$ 43,200.00
LTC J. S. Howell, TC			
Mod 1	Increase in Scope of Work. Time extension to 31 Dec 68.		\$ ----
Mod 2	Continuation of studies Time extension to 31 Dec 69		\$ 16,868.00
Mod 3	Additional work - ( <del>XXXXXX</del> ) (AXYX99400)  d		\$ 9,625.00
Mod 4	Continuation of studies. Time extension to 31 Jan 71.		\$ 54,294.00
Mod 5	Continuation of studies. 71 NWET J45HAXYX994 03 Time extension to 31 Jan 72		\$ 49,193.00
Mod 6	Time extension to 31 Jul 72.		\$ --
Mod 7			\$
Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981		\$
Brought Forward			\$
Total PAID			\$ 173,180.00 163,159.69
Refund:			\$ 10,020.31

Per:      ance Completed:	14 Mar 72
Contract CLOSED:	

Per:      ance Completed: 14 Mar 72

Contract CLOSED:

**CLOSED**, 31 Jul 74

67-C-0139 General Atomic

CPFF (a)(11)

No	Contractor	Status	Contract Type & Authority
	(31Jul 67 - 1 Jul 68 )	(pre-contract fm )	

**SUBJECT:** Perform a nuclear radiation survivability analysis of the  
RAEV Hound Dog Missile System

\$ 74,239.00

Maj J. J. McGee, Jr., RAEV- (Dr. Darrah, ANWL, Tech Mon)

Mod 1	Termination of effort for the convenience of government.	- \$ 27,054.00 (decrease
-------	--	--------------------------

Mod 2	Novation agreement	\$ ---
-------	--------------------	--------

Mod 3	Change appropriation.	\$ ----
-------	-----------------------	---------

Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

Brought Forward

Per Finance Completed:

Contract CLOSED:

Total \$ 47,200.00

PAID: 47,200.00

Refund: \$ - 0 -

19 Feb 71

**CLOSED**

20 Dec 68 Sent to FRESEN: May 72  
To be Destroyed Jul 77

No	Contractor	Status	Contract Type & Authority
	( 29 Jun 67 - 31 Jul 67 )	(pre-contract fm )	

SUBJECT: Equipment for FIND Installation

\$ 6,500.00

oais

Mr. Beasley, OAIS

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FRCEN: 26 Jan 71

To be Destroyed Jul 75

Brought Forward

\$

\$

Total

\$ 6,500.00

Performance Completed: 21 Aug 67

Contract CLOSED:

17 Jun 69

**CLOSED**

Refund:

\$ - 0 -